

| 1         | 2   | 53   | 54   | . 55   | 56                                    | 57                       | 58                               | 59                 | 60                         | 61                                   |
|-----------|---|--|--|--|---------------------------------------|--------------------------|----------------------------------|--------------------|----------------------------|--------------------------------------|
| ID<br>No. | Process Flow / Activity   | Line Port<br>(DS0,<br>Analog,<br>ISLU)<br>Disconnect | Charinelize<br>d DS1 line.<br>port (TR-<br>303-IDT)<br>Install | 39 Channelize d DS1 line port (TR- 303-IDT) Disconnect | 40 Fiber Cross Connects Install (LGX) | Fiber Disconnect ((LGX)) | 42<br>SS7 Links<br>(DS0) install | SS7 Links<br>(DS0) | SSY/Winks<br>(OSY) (Insual | CS<br>SS7/Links<br>(0S4)<br>Beautica |
| 40        | Piro Condeta Green State Control of the Control of | ĺ  | ×  | x  |                                       |                          | İ                                | Ì                  | ×                          |                                      |
| 41<br>42  | WFA/C updates NSDB PICS sends plug-in assignments to TIRKS  | ·  | . ^  | ^  |                                       |                          |                                  | 1                  | l â                        | X                                    |
| 43        | TIRKS provides equipment and facility assignments   | ł  | . x  | ×  | x                                     | x                        | l x                              | 1                  | x                          | 1 ^                                  |
| 44        | TIRKS inventories as spare and shows availabl for re-assignment (equipment & facility)  |  |  |  |                                       |                          |                                  | x                  |                            | x                                    |
| 45        | TIRKS updates SOAC  |  | ×  | X  | X                                     | х                        | X                                | X                  | X                          | x                                    |
| 46        | CPU time for NMA for PM data from test  |  | ,  | 1  | İ                                     |                          |                                  |                    | X                          | х                                    |
| 47        | Pull and Analyze Order Steps  | ×  | ×  | X  | X                                     | X                        | X                                | X                  | X                          | X                                    |
| 48        | Pull and analyze order: FCC; (copper%)  | X  |  | {  | ſ                                     |                          | [                                |                    | ſ                          | ĺ                                    |
| 49        | Pull and analyze order: FCC; (copper% * (%_Non_Dedicated))  | 1  | ١  |  |                                       |                          |                                  | Į.                 | ۱                          |                                      |
| 50        | Pull and analyze order: FMAC  | ł  | X  | X  | X                                     | X                        | l                                | 1                  | X                          | X                                    |
| 51<br>52  | Pull and analyze order: SS I&M/OSP Pull and analyze order: NTEC; (copper%)  |  |  | 1  | 1                                     |                          | x                                | x                  | 1                          |                                      |
| 53        | Pull and analyze order: NTEC  | j  | ļ  | j  | 1                                     |                          | ) ^                              | 1 "                |                            |                                      |
| 54        | Pull and analyze order: SSC   |  |  |  |                                       |                          | x                                | x                  |                            | 1                                    |
| 55        | Travel Time Steps   | x  | ×  | x  | ×                                     | ×                        | ×                                | x                  | ×                          | l x                                  |
| 56        | Travel time to the central office: CO non staffed, # orders per trip, Copper  | ×  | ľ  | ĺ  | ĺ                                     |                          | 1                                | 1                  | ľ                          | <b>[</b>                             |
| 57        | Travel time to the central office: CO non staffed, # orders per trip, Copper, %_Non_ Dedicated  | ł  | ŀ  |  |                                       |                          |                                  | ļ                  | ļ                          |                                      |
| 58        | Travel time to the central office: CO non staffed, # orders per trip  | ł  | X  | X  | Х                                     | X                        | 1                                | <b>{</b>           | X                          | l x                                  |
| 59        | Travel time to the central office: CO non staffed, # orders per trip: "R"   | l ·  |  |  | !                                     |                          |                                  |                    |                            | }                                    |
| 60        | Travel time to the central office: CO non staffed/orders per trip*Copper %  |  | 1:   | ļ  | ]                                     |                          | x                                | x                  |                            | ļ                                    |
| 61<br>62  | Travel time to the central office: CO non staffed/orders per trip*Copper %  Travel time to the central office: CO non staffed/orders per trip*Copper %: "R"   |  |  |  | İ                                     |                          | ^                                | ^                  |                            |                                      |
| 63        | Travel time to the central office: CO non staffed/orders per trip*Copper %  |  | l.   | 1  | l                                     | ļ                        | 1                                |                    |                            | ļ                                    |
| 64        | Travel time within the staffed central office: CO staffed/#orders per trip*Copper %   | ĺ  | [  |  | ĺ                                     | ĺ                        | ĺχ                               | x                  |                            |                                      |
| 65        | Travel time within the staffed central office: CO staffed/#orders per trip*Copper %: "R"  | ŀ  |  | }  | 1                                     |                          | }                                | 1                  |                            |                                      |
| 66        | Travel time within the staffed central office: CO staffed/#orders per trip*Copper %   | <u> </u>   | ł  | l  |                                       |                          | ł                                | ł                  | X                          | X                                    |
| 67        | Travel time within the staffed central office: CO staffed/#orders per trip  |  | X  |  | X                                     | X                        |                                  | ļ                  | 1                          |                                      |
| 68        | Travel time to FDI / 2 work activities  | j  |  | j  | <u>,</u>                              | ļ                        | )                                | }                  | ]                          |                                      |
| 69        | Travel time to FDI / 1 work activities  |  |  | 1  |                                       |                          |                                  | ļ                  | l                          |                                      |
| 70<br>71  | Travel time to customer premises / 1 work activity  Element Type Detail Steps   | x  | ×  | x  | ×                                     | x                        | x                                | x                  | x                          | x                                    |
|           | ***   | <b>^</b>   | ^  | 1 ^  | ^                                     | ^                        | ( ^                              | <b>^</b>           | 1 ^                        | ^                                    |
| 72<br>73  | 2 WIRE LOOP: Copper Perform continuity test (check dial tone and ANI)   |  |  |  |                                       |                          | 1                                | 1                  | 1                          |                                      |
| 73<br>74  | Install cross connect from MDF to CFA appearance  | }  | 1  |  | ł                                     | }                        | ł                                | 1                  | }                          | }                                    |
| 75        | Install cross connect from MDF to CFA appearance  |  |  | 1  |                                       |                          | -                                |                    |                            |                                      |
| 76        | Perform continuity test (check dial tone and ANI)   | ,  | }  |  | ]                                     |                          | }                                |                    | 1                          |                                      |
| 77        | ILEC MLT test and or ISTF test  |  | İ  |  | l                                     |                          | 1                                |                    |                            |                                      |
| 78        | CLEC MLT test and or ISTF test  |  |  | -  | 1                                     |                          |                                  |                    |                            |                                      |

| 1         | 2  | 62                                      | 63                                      | 64                                  | 65   |
|-----------|--|---|---|-------------------------------------|--|
| 10000     |  | 46                                      | 47                                      | . 48                                | 49   |
|           |  | SS7 STP<br>global title<br>translations | SS7 STP<br>global title<br>translations | SS7 STP<br>message<br>transfer part | SS7 STP<br>message<br>transfer part<br>'A Link' only |
| ID<br>No. | Process Flow / Activity  | 'A Link' only                           | 'A Link' only                           | 'A Link' only                       | (port)   |
|           | D-A L. Garage  | Install                                 | Disconnect                              | (port) Install                      | Disconnect   |
| 40        | Winderden Steps DB   |   |   |                                     |  |
| 41<br>42  | WFA/C updates NSDB   | [                                       |   | į l                                 |  |
|           | PICS sends plug-in assignments to TIRKS  | l                                       |   | i                                   |  |
| 43<br>44  | TIRKS provides equipment and facility assignments TIRKS inventories as spare and shows availabl for re-assignment (equipment & facility) |   |   |                                     |  |
| 44        |  |   |   |                                     |  |
| 45<br>46  | TIRKS updates SOAC CPU time for NMA for PM data from test  |   |   |                                     |  |
|           |  | l x                                     | ×                                       | l x                                 | x  |
| 47        | Pull and Analyze Order Steps   | <b>, ^</b>                              | ^                                       | , ^                                 | ^  |
| 48        | Pull and analyze order: FCC; (copper%)   | ŀ                                       |   |                                     |  |
| 49        | Pull and analyze order: FCC; (copper% * (%_Non_Dedicated))   | ·                                       |   |                                     |  |
| 50        | Pull and analyze order: FMAC   |   |   |                                     |  |
| 51        | Pull and analyze order: SS I&M/OSP   |   | -                                       |                                     |  |
| 52        | Pull and analyze order: NTEC; (copper%)  |   | Ì                                       | İ                                   |  |
| 53<br>54  | Pull and analyze order: NTEC   | x -                                     | x                                       | l x                                 | x  |
| • .       | Pull and analyze order: SSC  | ^                                       | <b>'</b>                                | ^                                   | 1 ^  |
| 55        | Travel Time Steps  |   |   |                                     |  |
| 56        | Travel time to the central office: CO non staffed, # orders per trip, Copper   |   |   |                                     |  |
| 57        | Travel time to the central office: CO non staffed, # orders per trip, Copper, %_Non_ Dedicated   |   | l                                       |                                     |  |
| 58        | Travel time to the central office: CO non staffed, # orders per trip   |   | 1                                       |                                     |  |
| 59        | Travel time to the central office: CO non staffed, # orders per trip: "R"  |   | 1                                       | 1                                   |  |
| 60        | Travel time to the central office: CO non staffed/orders per trip*Copper %   |   | ļ                                       |                                     | ļ  |
| 61        | Travel time to the central office: CO non staffed/orders per trip*Copper %   |   |   |                                     |  |
| 62        | Travel time to the central office: CO non staffed/orders per trip*Copper %: "R"  | ,                                       |   | E                                   | •  |
| 63        | Travel time to the central office: CO non staffed/orders per trip*Copper %   |   |   |                                     |  |
| 64        | Travel time within the staffed central office: CO staffed/#orders per trip*Copper %  |   |   |                                     |  |
| 65        | Travel time within the staffed central office: CO staffed/#orders per trip*Copper %: "R"   |   | ĺ                                       |                                     |  |
| 66        | Travel time within the staffed central office: CO staffed/#orders per trip*Copper %  |   |   |                                     |  |
| 67        | Travel time within the staffed central office: CO staffed/#orders per trip   | ľ .                                     | İ                                       | ĺ                                   | ĺ  |
| 68        | Travel time to FDI / 2 work activities   |   |   |                                     |  |
| 69<br>70  | Travel time to FDI / 1 work activities   |   | <b>].</b> .                             |                                     |  |
|           | Travel time to customer premises / 1 work activity   |   | ,                                       | ا                                   |  |
| 71        | Element Type Detail Steps  | X                                       | X                                       | X                                   | X  |
| 72        | 2 WIRE LOOP: Copper  |   |   |                                     | l  |
| 73        | Perform continuity test (check dial tone and ANI)  |   | ļ                                       | ļ                                   | }  |
| 74        | Install cross connect from MDF to CFA appearance   | l                                       |   |                                     |  |
| 75        | Install cross connect from MDF to CFA appearance   |   |   | ŀ                                   | i  |
| 76        | Perform continuity test (check dial tone and ANI)  |   | ł                                       | l                                   | ļ  |
| 77        | ILEC MLT test and or ISTF test   | [                                       |   | 1                                   |  |
| 78        | CLEC MLT test and or ISTF test   | I                                       | İ                                       | l                                   | l  |

| SE         | RVICE ORDER PROCESS / NON-RECURRING TYPE  |           |               |             |              |            |            |             | ••          |           |
|------------|---|-----------|---------------|-------------|--------------|------------|------------|-------------|-------------|-----------|
| 1          | 2   | 15        | 16            | 17          | 18           | 19         | 20         | 21          | 22          | 23        |
|            |   | 1         | 2             | 3           |              | 5          | 0.10       |             |             |           |
|            |   |           |               | POTS /      |              | POTS/      |            |             |             |           |
|            |   | POTS /    | 14.5          | ISDN BRI    | POTS /       | ISDN BRI   | POTS/      | 100         | POTS / ISDN |           |
| ID:        |   | ISDN BRI  | POTS /        | Migration   | ISDN BRI     | Disconnect | ISDN BRI   | POTS / ISDN | BRI L       |           |
| No.        | Process Flow / Activity   | Migration | ISDN BRI      | (UNE        | Install (UNE | (TSR / UNE | Migration  | BRUINSIAL   | Disconnect  | FEEDLESS! |
| 3.0        |   | (TSR)     | Install (TSR) | : Platform) | Platform)    | Platform)  | (UNE Loop) | (UNE)ROOO)  | (UNE(Loop)) | (qirith)  |
| 79         | Remove jumper from MDF  |           |               |             |              |            |            |             | X           |           |
| 80         | Remove jumper from MDF  |           |               |             |              |            |            |             |             |           |
| 81         | 2 WIRE LOOP: IDLC (GR-303)  |           |               |             |              | į          |            |             |             |           |
| 82         | Install DSO TSI at RT (CPU time)  | ,         |               |             |              |            | X          | X           |             |           |
| 83         | NCTE installation & testing   |           |               |             |              | İ          |            | İ           | x           |           |
| 84<br>85   | Remove DSO TSI at RT (CPU Time) CHANNELIZED DS1 CAPACITY FOR THE VRT (TR-303)                                       |           |               |             |              |            |            | ļ           | ^           |           |
| 86         | Install IDT line port card  |           |               |             |              |            | 1          |             |             |           |
| 87         | Install DSX cross connect (5 Wire)  |           |               |             | ŀ            | İ          |            |             |             |           |
| 88         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU                                      |           |               | ·           |              |            |            |             | ļ           |           |
| 89         | Remove DSX cross connect (5 Wire)   |           |               |             |              | Į.         |            | 1           |             |           |
| 90         | CPU time at SONET MUX (DS1)   |           |               |             |              | •          |            |             |             |           |
| 91         | CPU time at RT (DS1 TSI)  |           |               |             |              |            |            |             |             |           |
| 92         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU                                      |           |               |             | 1            |            |            |             |             |           |
| 93         | CPU Time at SONET MUX (DS1)   |           |               |             |              | ļ          |            |             | ļ           |           |
| 94         | CPU Time at RT (DS1 TSI)  |           |               |             |              |            | ļ          |             | · ·         |           |
| 95         | Remove DSX cross connect (5 Wire)   | ,         |               |             |              |            |            |             | 1           |           |
| 96         | FIBER CROSS CONNECT   |           |               |             |              | ]          |            |             |             |           |
| 97         | Install 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)                                   |           |               |             |              |            | 1          |             | 1           |           |
| 98         | Remove 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)                                    |           |               |             |              |            | 1          | i           | ļ           |           |
| 99<br>100  | OTDR (Optical Time Domain Reflecometer) testing using Fiber Check 5000 type system  2 WIRE CROSS CONNECT AT THE FDI |           |               |             |              |            | •          | ł           |             |           |
| 101        | Setup time / 2 work activities  |           |               |             |              |            |            | ļ           |             |           |
| 102        | Perform continuity test for ILEC  |           |               |             |              |            | ł          | ł           | ł           |           |
| 103        | Install cross connect (Binding Post)  |           |               |             |              |            |            |             |             |           |
| 104        | Tear down setup / 2 work activities   |           |               |             |              |            |            |             | [           | -         |
| 105        | Setup time / 2 work activities  |           |               |             |              |            |            | ł           |             | ,         |
| 106        | Perform continuity test for ILEC  |           |               |             |              |            |            |             |             |           |
| 107        | Remove existing cross connect (Binding Post)  |           |               |             |              | 1          |            |             |             |           |
| 108        | Tear down setup / 2 work activities   |           |               |             |              |            | 1          |             |             |           |
| 109        | 4 WIRE CROSS CONNECT AT THE FDI   | •         |               |             |              | 1          |            |             |             |           |
| 110<br>111 | Negotiate customer release (CLEC to ILEC) Setup time / 1 work activity  |           | •             |             | 1            |            |            | 1           |             |           |
| 112        | Install cross connect (Binding Post)  | . •       |               |             | 1            |            |            |             |             | •         |
| 113        | Tear down setup / 1 work activity   |           |               |             | <b>!</b>     |            |            |             |             |           |
| 114        | Remove SMAS (wire wrap)   |           |               |             |              |            |            |             |             |           |
| 115        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)                                     |           |               |             | 1            |            |            |             | 1           |           |
| 116        | Setup time / 2 work activities  |           |               |             |              |            |            | İ           |             |           |
| 117        | Remove existing cross connect (Binding Post)  |           |               |             |              | ]          |            |             |             |           |
| 118        | Tear down setup / 2 work activities   |           | ļ             | }           | 1            | 1          | 1          | 1           |             |           |

Attachment C

| 1          | 2  | 24                                | 25                           | 26                                       | 27                                | 28                                 | 29                                      | 30                                    | 31   | 32   |
|------------|--|-----------------------------------|------------------------------|--|-----------------------------------|------------------------------------|---|---------------------------------------|--|--|
| ID<br>No.  | Process Flow / Activity  | 4 Wire<br>Migration<br>(UNE Loop) | 11 4 Wire Install (UNE Loop) | 12<br>4 Wire<br>Disconnect<br>(UNE Loop) | 2 Wire<br>Migration at<br>the FDI | 2 Wire<br>Disconnect<br>at the FDI | 15<br>4 Wire<br>Migration at<br>the EDI | 16<br>(44)<br>(4Wrb)<br>Disconnection | 1)/<br>2/Wire<br>Migrallon are<br>6 no Nib | 18<br>Gianneliza<br>Giosi<br>Vriual<br>France to |
| 79         | Rina Gridan Stapsin MDF  | - V-S                             |                              |  |                                   | ***                                |   |                                       | NA WASSING                                 |  |
| 80         | Remove jumper from MDF   |                                   |                              |  |                                   |                                    |   |                                       |  |  |
| 81         | 2 WIRE LOOP: IDLC (GR-303)   | •                                 |                              |  |                                   |                                    |   | 1                                     |  |  |
| 82         | Install DSO TSI at RT (CPU time)   |                                   | X                            |  |                                   |                                    |   |                                       |  |  |
| 83         | NCTE installation & testing  |                                   | X                            |  |                                   |                                    |   |                                       |  |  |
| 84         | Remove DSO TSI at RT (CPU Time)  |                                   |                              |  |                                   |                                    |   |                                       |  |  |
| 85         | CHANNELIZED DS1 CAPACITY FOR THE VRT (TR-303)                                      |                                   |                              |  |                                   |                                    |   |                                       |  |  |
| 86         | Install IDT line port card   |                                   |                              |  |                                   | İ                                  |   |                                       |  |  |
| 87         | Install DSX cross connect (5 Wire)   |                                   | 1                            |  | ]                                 | 1                                  | ŀ                                       | Ì                                     | ì  | X  |
| 88         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU     | ĺ                                 |                              |  |                                   |                                    |   |                                       |  |  |
| 89         | Remove DSX cross connect (5 Wire)  |                                   |                              |  |                                   |                                    |   |                                       |  |  |
| 90         | CPU time at SONET MUX (DS1)  |                                   |                              |  |                                   |                                    |   |                                       |  | X  |
| 91         | CPU time at RT (DS1 TSI)   |                                   |                              |  |                                   | 1                                  | ļ                                       | İ                                     |  | X  |
| 92         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU     |                                   |                              |  |                                   |                                    |   |                                       |  | X  |
| 93         | CPU Time at SONET MUX (DS1)  |                                   |                              |  | l                                 |                                    |   |                                       |  |  |
| 94         | CPU Time at RT (DS1 TSI)   |                                   |                              |  |                                   |                                    |   | ļ                                     |  |  |
| 95         | Remove DSX cross connect (5 Wire)  |                                   |                              |  | l                                 |                                    |   |                                       |  |  |
| 96         | FIBER CROSS CONNECT  |                                   | ,                            |  |                                   |                                    |   |                                       |  |  |
| 97         | Install 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)  |                                   |                              |  |                                   | l                                  | :                                       |                                       |  |  |
| 98         | Remove 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)   |                                   |                              |  |                                   |                                    |   |                                       | 1  |  |
| 99         | OTDR (Optical Time Domain Reflecometer) testing using Fiber Check 5000 type system | {                                 |                              |  |                                   | ļ                                  | į                                       | Į                                     | Į l  |  |
| 100        | 2 WIRE CROSS CONNECT AT THE FDI Setup time / 2 work activities                     | · ·                               |                              |  | x                                 |                                    |   |                                       | <u> </u>                                   |  |
| 101<br>102 | Perform continuity test for ILEC   |                                   |                              |  | l â                               | İ                                  |   |                                       |  |  |
| 102        | Install cross connect (Binding Post)   |                                   |                              |  | x                                 |                                    |   |                                       |  |  |
| 103        | Tear down setup / 2 work activities  |                                   |                              |  | l x                               | İ                                  |   |                                       |  |  |
| 105        | Setup time / 2 work activities   |                                   |                              |  | ^                                 | x                                  |   |                                       |  |  |
| 106        | Perform continuity test for ILEC   |                                   |                              |  |                                   | x                                  |   |                                       |  | •  |
| 107        | Remove existing cross connect (Binding Post)                                       | ,                                 |                              |  | 1                                 | x                                  |   |                                       |  |  |
| 108        | Tear down setup / 2 work activities  |                                   | <b>]</b>                     |  |                                   | х                                  |   |                                       |  |  |
| 109        | 4 WIRE CROSS CONNECT AT THE FDI  |                                   |                              |  | l                                 |                                    |   |                                       |  |  |
| 110        | Negotiate customer release (CLEC to ILEC)  |                                   |                              |  |                                   |                                    | X                                       |                                       |  |  |
| 111        | Setup time / I work activity   |                                   |                              |  |                                   |                                    | х                                       |                                       |  |  |
| 112        | Install cross connect (Binding Post)   |                                   | ĺ                            |  |                                   |                                    | X                                       |                                       |  |  |
| 113        | Tear down setup / 1 work activity  |                                   | ţ                            |  |                                   | İ                                  | X                                       |                                       |  |  |
| 114        | Remove SMAS (wire wrap)  |                                   |                              |  |                                   | [                                  | X                                       |                                       |  |  |
| 115        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)    |                                   |                              |  |                                   |                                    | X                                       |                                       |  |  |
| 116        | Setup time / 2 work activities   |                                   |                              |  |                                   | 1                                  |   | X                                     |  |  |
| 117        | Remove existing cross connect (Binding Post)                                       | ·                                 | ]                            |  | ]                                 | [                                  |   | X                                     |  |  |
| 118        | Tean down setup / 2 work activities  |                                   | 1                            |  | I                                 | 1                                  |   | , ,                                   |  |  |

Attachment C

| . 1        | 2  | 33  | 34                              | 35  | 36   | 37  | 38                                    | 39                                   | 40  | 41  |
|------------|--|---|---------------------------------|---|--|---|---------------------------------------|--------------------------------------|---|---|
| ID<br>No.  | Process Flow / Activity  | 19<br>Charnelize<br>d DS1<br>Virtual<br>Feeder to<br>RT<br>Disconnect | DS1<br>Interoffice<br>Transport | DS1<br>Interoffice,<br>Transport,<br>Disconnect | DS3<br>Interoffice<br>Transport<br>Install 3 | DS3<br>Interoffice<br>Transport<br>Disconnect | 24<br>2 Wire<br>Loop,<br>different CO | 25<br>2 Wire<br>Loop<br>different co | XS<br>2 ≤ ED<br>2 ≤ ED<br>Content CO<br>Discontinue | 24Win<br>Loop<br>Sincremicso<br>Migration |
| 79         | Rua Ordan Stapsm MDF   |   |                                 |   |  |   |                                       |                                      |   |   |
| 80         | Remove jumper from MDF   |   |                                 |   | ŀ  |   | X                                     |                                      |   |   |
| 81         | 2 WIRE LOOP: IDLC (GR-303)   |   | ·                               |   |  |   | l                                     | i                                    |   |   |
| 82         | Install DSO TSI at RT (CPU time)   |   |                                 |   |  |   |                                       |                                      |   |   |
| 83         | NCTE installation & testing  |   |                                 | 1   | 1  |   | ]                                     |                                      |   |   |
| 84         | Remove DSO TSI at RT (CPU Time)  |   |                                 |   |  |   | 1                                     |                                      |   |   |
| 85         | CHANNELIZED DSI CAPACITY FOR THE VRT (TR-303)                                      |   |                                 |   | 1  |   |                                       | l                                    |   |   |
| 86         | Install IDT line port card   |   |                                 | 1   | ł  |   | İ                                     |                                      |   |   |
| 87         | Install DSX cross connect (5 Wire)   |   |                                 | ł   |  |   |                                       |                                      |   |   |
| 88         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU     |   |                                 | [   | i  |   | Ì                                     |                                      |   |   |
| 89         | Remove DSX cross connect (5 Wire)  | ,   |                                 |   |  |   |                                       |                                      |   |   |
| 90         | CPU time at SONET MUX (DS1)  |   |                                 |   |  |   | 1                                     |                                      |   |   |
| 91         | CPU time at RT (DS1 TSI)   |   |                                 |   |  |   |                                       |                                      |   |   |
| 92         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU     |   |                                 |   |  |   | į                                     |                                      |   |   |
| 93         | CPU Time at SONET MUX (DS1)  | X   |                                 |   |  | l   | i                                     |                                      |   |   |
| 94         | CPU Time at RT (DS1 TSI)   | X   |                                 |   |  |   |                                       |                                      |   |   |
| 95         | Remove DSX cross connect (5 Wire)  | X   |                                 | ł   |  |   |                                       |                                      |   |   |
| 96         | FIBER CROSS CONNECT  |   |                                 | ļ   | ļ  | l   | 1                                     |                                      |   |   |
| 97         | Install 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)  |   |                                 | ĺ   | Ī  |   |                                       |                                      |   |   |
| 98         | Remove 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)   |   |                                 |   | İ  |   |                                       |                                      |   |   |
| 99         | OTDR (Optical Time Domain Reflecometer) testing using Fiber Check 5000 type system |   |                                 |   | Ī  |   |                                       |                                      |   |   |
| 100        | 2 WIRE CROSS CONNECT AT THE FDI Setup time / 2 work activities                     |   |                                 |   | 1  |   | 1                                     |                                      |   |   |
| 101<br>102 | Perform continuity test for ILEC   |   |                                 |   | ļ  |   |                                       |                                      |   |   |
| 102        | Install cross connect (Binding Post)   |   |                                 |   |  | 1   |                                       |                                      |   |   |
| 103        | Tear down setup / 2 work activities  |   |                                 |   | İ  |   |                                       |                                      |   |   |
| 105        | Setup time / 2 work activities   |   |                                 |   | }  |   |                                       |                                      |   |   |
| 106        | Perform continuity test for ILEC   |   |                                 | l .   | 1  |   |                                       |                                      |   |   |
| 107        | Remove existing cross connect (Binding Post)                                       |   |                                 |   |  |   | 1                                     |                                      |   |   |
| 108        | Tear down setup / 2 work activities  |   |                                 |   | }  |   |                                       |                                      |   |   |
| 109        | 4 WIRE CROSS CONNECT AT THE FDI  |   |                                 | ł   |  |   |                                       |                                      |   |   |
| 110        | Negotiate customer release (CLEC to ILEC)  |   |                                 | ŀ   | ļ  |   | İ                                     |                                      |   |   |
| 111        | Setup time / 1 work activity   |   |                                 | ·   | Į.   |   | ł .                                   |                                      |   |   |
| 112        | Install cross connect (Binding Post)   |   | <b>l</b> .                      |   | 1  |   | 1                                     | 1                                    |   |   |
| 113        | Tear down setup / 1 work activity  | -   | ľ                               | İ   |  | 1   | 1                                     |                                      |   |   |
| 114        | Remove SMAS (wire wrap)  |   |                                 |   | 1  |   | 1                                     | ]                                    |   |   |
| 115        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)    |   |                                 | 1   | 1  | 1   |                                       | 1                                    | l   |   |
| 116        | Setup time / 2 work activities   |   |                                 |   | 1  | l   | 1                                     | 1                                    |   |   |
| 117        | Remove existing cross connect (Binding Post)                                       |   |                                 | 1   |  | 1   | l ·                                   |                                      |   |   |
| 118        | Tear down setup / 2 work activities  | Ι.  | Ĺ                               | 1   | ŀ  | I   | 1                                     | I                                    |   |   |

Page 15 Attachment C



| 1          | 2   | 42      | 43                              | 44                                 | 45                                       | 48                                   | 49                                 | 50                               | 51   | 52                           |
|------------|---|---------|---------------------------------|------------------------------------|--|--------------------------------------|------------------------------------|----------------------------------|--|------------------------------|
| ID<br>No.  | Process Flow / Activity   |         | 4 Wire<br>Loop,<br>different CO | DS1 Loop<br>to Customer<br>Premise | 31<br>DST Loop<br>to Customer<br>Premise | DS1 Loop<br>to Customer<br>(Premise) | DS3 Loop<br>to Customer<br>Premise | DSSLOOP<br>O GUSIONEI<br>Fremise | OSSIEGO<br>OSSIEGO<br>OSISIONIS<br>Pronisa<br>Diceonee | Line Port<br>(ESO)<br>ZALIO) |
| 100        | Tout to the state of the state | Install | Disconnect                      | Migration                          | Install :                                | Disconnect.                          | Migration                          | MilleJeini M                     | Disconnecti  | (SEU) (hatta)                |
| 79         | RnacOrilangStapsm MDF   |         |                                 |                                    |  |                                      |                                    |                                  | ]  |                              |
| 80         | Remove jumper from MDF  |         |                                 | •                                  |  | [                                    |                                    |                                  |  |                              |
| 81         | 2 WIRE LOOP: IDLC (GR-303)  |         | *                               |                                    |  | 1                                    |                                    | Į.                               |  |                              |
| 82<br>83   | Install DSO TSI at RT (CPU time) NCTE installation & testing  |         |                                 |                                    |  |                                      |                                    | i                                | i  |                              |
| 84         | Remove DSO TSI at RT (CPU Time)   |         |                                 | j                                  | Í  | 1                                    | Ĭ                                  | 1                                |  |                              |
| 85         | CHANNELIZED DS1 CAPACITY FOR THE VRT (TR-303)   | ,       |                                 | 1                                  |  |                                      |                                    |                                  |  |                              |
| 86         | Install IDT line port card  |         |                                 |                                    |  |                                      | 1                                  |                                  |  |                              |
| 87         | Install DSX cross connect (5 Wire)  |         | ľ                               | 1                                  | 1  | 1                                    |                                    |                                  |  |                              |
| 88         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  |         |                                 |                                    |  |                                      |                                    |                                  |  |                              |
| 89         | Remove DSX cross connect (5 Wire)   |         |                                 | ļ                                  |  |                                      |                                    | į.                               |  |                              |
| 90         | CPU time at SONET MUX (DS1)   |         |                                 |                                    |  | i                                    | ł                                  | i                                | i  | i                            |
| 91         | CPU time at RT (DS1 TSI)  |         |                                 |                                    |  |                                      |                                    |                                  |  |                              |
| 92         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  |         |                                 |                                    | 1  |                                      |                                    |                                  |  |                              |
| 93         | CPU Time at SONET MUX (DS1)   |         |                                 | l                                  |  | ł                                    | 1                                  | ì                                |  |                              |
| 94         | CPU Time at RT (DS1 TSI)  |         |                                 |                                    |  |                                      | Ĭ                                  | }                                |  |                              |
| 95         | Remove DSX cross connect (5 Wire)   |         |                                 |                                    |  |                                      |                                    | į                                |  |                              |
| 96         | FIBER CROSS CONNECT   |         |                                 | Į.                                 |  | }                                    | }                                  | į                                | 1  |                              |
| 97         | Install 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)   |         |                                 | Ì                                  |  |                                      |                                    | 1                                |  |                              |
| 98         | Remove 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)  |         |                                 | İ                                  |  |                                      |                                    |                                  | 1  |                              |
| 99         | OTDR (Optical Time Domain Reflecometer) testing using Fiber Check 5000 type system  |         |                                 | ]                                  |  |                                      | ļ                                  | j.                               |  |                              |
| 100        | 2 WIRE CROSS CONNECT AT THE FDI   | . '     |                                 |                                    |  | 1                                    |                                    |                                  | 1  |                              |
| 101        | Setup time / 2 work activities  |         |                                 |                                    | •  |                                      | ļ                                  | į                                |  |                              |
| 102<br>103 | Perform continuity test for ILEC Install cross connect (Binding Post)   |         |                                 | ].                                 | }  |                                      | }                                  | J                                |  |                              |
| 103        | Tear down setup / 2 work activities   |         |                                 |                                    |  |                                      |                                    |                                  |  |                              |
| 105        | Setup time / 2 work activities  |         |                                 |                                    |  |                                      |                                    |                                  |  |                              |
| 106        | Perform continuity test for ILEC  |         |                                 |                                    | 1  |                                      |                                    | j                                |  |                              |
| 107        | Remove existing cross connect (Binding Post)  | •       |                                 |                                    | 1  | İ                                    |                                    | i                                |  | J                            |
| 108        | Tear down setup / 2 work activities   |         |                                 | i                                  |  |                                      |                                    |                                  |  |                              |
| 109        | 4 WIRE CROSS CONNECT AT THE FDI   | ,       |                                 |                                    | 1  |                                      |                                    | 1                                |  |                              |
| 110        | Negotiate customer release (CLEC to ILEC)   |         |                                 | ĺ                                  |  | 1                                    | {                                  | [                                | [  |                              |
| 111        | Setup time / 1 work activity  |         |                                 |                                    |  |                                      |                                    |                                  |  |                              |
| 112        | Install cross connect (Binding Post)  |         |                                 | İ                                  | }  |                                      |                                    | i                                | İ  |                              |
| 113        | Tear down setup / I work activity   |         |                                 | 1                                  |  | i                                    | ĺ                                  |                                  |  |                              |
| 114        | Remove SMAS (wire wrap)   | İ       |                                 |                                    |  |                                      |                                    | İ                                |  |                              |
| 115        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)   |         |                                 |                                    |  |                                      |                                    | 1                                |  |                              |
| 116<br>117 | Setup time / 2 work activities Remove existing cross connect (Binding Post)   |         |                                 | 1                                  |  | ł                                    |                                    | 1                                |  |                              |
| 118        | Tear down setup / 2 work activities   |         | •                               |                                    |  | ĺ                                    | l                                  | l                                |  |                              |
| 113        | A con a contractor a moin activities  | ,       | I                               | I                                  | į.                                       | I                                    | 1                                  | Į.                               | 1  |                              |



| 1          | 2  | 53  | 54   | 55   | 56                                     | 57                     | 58                               | 59                                 | 60                              | 61                           |
|------------|--|---|--|--|--|------------------------|----------------------------------|------------------------------------|---------------------------------|------------------------------|
| ID<br>No.  | Process Flow / Activity  | .37<br>Line Port<br>(DS0,<br>Analog,<br>ISLU)<br>Disconnect | Channelize<br>d DS1 line<br>port (TR-<br>303-IDT)<br>install | Charrielize<br>d DS1 line<br>port (TR-<br>303-IDT)<br>Disconnect | 40. Fiber Cross Connects Install (LGX) | Fiber Disconnect (LGX) | 42<br>SS7/Linka<br>(DS0) install | SST/Links<br>(OSO) #<br>Disconnect | 37 Zika<br>(031) irata<br>(031) | SS7(Milic)<br>(DS1)<br>(DS3) |
| 79         | Rnad Verlang Stapson MDF   | Х   |  |  |  |                        |                                  |                                    |                                 |                              |
| 80         | Remove jumper from MDF   |   |  | ŀ  |  |                        |                                  |                                    |                                 |                              |
| 81         | 2 WIRE LOOP: IDLC (GR-303)   |   | ]:   |  |  |                        |                                  |                                    |                                 |                              |
| 82         | Install DSO TSI at RT (CPU time)   |   |  |  |  |                        |                                  |                                    |                                 |                              |
| 83         | NCTE installation & testing  |   | ·  | 1  |  |                        |                                  | 1                                  |                                 |                              |
| 84         | Remove DSO TSI at RT (CPU Time)  |   |  | ł  |  |                        |                                  |                                    |                                 |                              |
| 85         | CHANNELIZED DS1 CAPACITY FOR THE VRT (TR-303)                                      |   | •  |  |  |                        |                                  |                                    |                                 |                              |
| 86<br>87   | Install IDT line port card Install DSX cross connect (5 Wire)                      |   | . X  |  |  |                        |                                  |                                    |                                 |                              |
| 88         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU     | •   | x  | ĺ  |  |                        |                                  | i                                  |                                 |                              |
| 89         | Remove DSX cross connect (5 Wire)  |   | ^  | x  |  |                        |                                  | İ                                  |                                 |                              |
| 90         | CPU time at SONET MUX (DS1)  | -   |  | 1 ^  |  |                        |                                  |                                    |                                 |                              |
| 91         | CPU time at RT (DS1 TSI)   |   |  | ł  |  |                        |                                  |                                    |                                 |                              |
| 92         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU     | 1   |  |  |  |                        |                                  |                                    | ·                               |                              |
| 93         | CPU Time at SONET MUX (DS1)  | ·   |  |  |  |                        |                                  | 1                                  |                                 |                              |
| 94         | CPU Time at RT (DS1 TSI)   |   | ŀ  | l  |  | ŀ                      |                                  |                                    |                                 |                              |
| 95         | Remove DSX cross connect (5 Wire)  |   | [  | Ì  |  |                        |                                  | İ                                  |                                 |                              |
| 96         | FIBER CROSS CONNECT  |   |  | l  | ŀ                                      |                        |                                  |                                    |                                 |                              |
| 97         | Install 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)  |   |  |  | x                                      |                        |                                  |                                    |                                 |                              |
| 98         | Remove 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)   |   |  |  |  | х                      |                                  | 1                                  |                                 |                              |
| 99         | OTDR (Optical Time Domain Reflecometer) testing using Fiber Check 5000 type system |   |  | 1  | X                                      |                        |                                  |                                    |                                 | •                            |
| 100        | 2 WIRE CROSS CONNECT AT THE FDI  | ٠.  | <b>j</b>   | 1  | ļ                                      | ,                      |                                  | 1                                  |                                 |                              |
| 101        | Setup time / 2 work activities   |   |  |  |  |                        |                                  |                                    |                                 |                              |
| 102        | Perform continuity test for ILEC   |   |  | İ  |  |                        |                                  |                                    |                                 |                              |
| 103        | Install cross connect (Binding Post) Tear down setup / 2 work activities           |   |  | ļ  |  |                        |                                  | ĺ                                  |                                 |                              |
| 104<br>105 | Setup time / 2 work activities   |   | 1  |  |  |                        |                                  | ł                                  |                                 |                              |
| 105        | Perform continuity test for ILEC   |   |  |  | -                                      | 8                      |                                  | ļ                                  |                                 |                              |
| 107        | Remove existing cross connect (Binding Post)                                       |   |  |  |  | ļ                      |                                  | [                                  |                                 |                              |
| 108        | Tear down setup / 2 work activities  |   | ĺ  | j  |  |                        |                                  |                                    |                                 |                              |
| 109        | 4 WIRE CROSS CONNECT AT THE FDI  |   | 1.   |  |  |                        |                                  |                                    |                                 |                              |
| 110        | Negotiate customer release (CLEC to ILEC)  |   | •  | l  | i                                      |                        |                                  |                                    | ,                               |                              |
| 111        | Setup time / 1 work activity   |   |  |  |  |                        |                                  |                                    |                                 |                              |
| 112        | Install cross connect (Binding Post)   |   |  | 1  |  |                        |                                  |                                    |                                 |                              |
| 113        | Tear down setup / I work activity  |   |  | 1  | Ì                                      |                        |                                  | 1                                  |                                 |                              |
| 114        | Remove SMAS (wire wrap)  |   | ĺ  | I  |  |                        |                                  | 1                                  |                                 |                              |
| 115        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)    |   |  | 1  |  |                        |                                  |                                    |                                 |                              |
| 116        | Setup time / 2 work activities  Remove existing error connect (Binding Bost)       |   |  |  |  |                        |                                  |                                    |                                 |                              |
| 117<br>118 | Remove existing cross connect (Binding Post) Tear down setup / 2 work activities   |   | 1  | Į.   |  |                        |                                  |                                    |                                 |                              |
| 110        | real down scrip / 2 work activities  |   | I  | 1  | l                                      | i                      | l .                              | i l                                |                                 |                              |

Attachment C



| 1          | 2  | 62           | 63            | 64             | 65                 |
|------------|--|--------------|---------------|----------------|--------------------|
| 1.50%      |  | 46           | 47            | . 48           | 49                 |
| N.         |  | SS7 STP      | SS7 STP       | SS7 STP        | SS7 STP<br>message |
|            |  | global title | global title  | message        | transfer part      |
| ID \       |  | translations | translations  | transfer part  |                    |
| No.        | Process Flow / Activity  | 'A Link only | 'A Link' only | 'A Link' only  | (port)             |
| 100        | to the Park to Alexander and the second  | Le Install   | Disconnect    | (port) Install | Disconnect         |
| 79         | Rine Or Henry Lapsin MDF   |              |               |                |                    |
| 80         | Remove jumper from MDF   |              |               | <b>[</b>       | [                  |
| 81         | 2 WIRE LOOP: IDLC (GR-303)   |              | :             |                | }                  |
| 82         | Install DSO TSI at RT (CPU time)   |              | i             |                |                    |
| 83         | NCTE installation & testing  |              | ļ             |                | ļ                  |
| 84<br>85   | Remove DSO TSI at RT (CPU Time) CHANNELIZED DS1 CAPACITY FOR THE VRT (TR-303)      |              | ŀ             | 1              | 1                  |
| 86         | Install IDT line port card   |              |               | ŀ              |                    |
| 87         | Install DSX cross connect (5 Wire)   | }            | į             | ł              | 1                  |
| 88         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU     |              | ]             |                | 1                  |
| 89         | Remove DSX cross connect (5 Wire)  | · ·          | ł             |                | ĺ                  |
| 90         | CPU time at SONET MUX (DS1)  |              | <b>:</b>      | ŀ              | 1                  |
| 91         | CPU time at RT (DS1 TSI)   |              |               |                |                    |
| 92         | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU     |              |               |                | İ                  |
| 93         | CPU Time at SONET MUX (DS1)  |              |               | ]              | j                  |
| 94         | CPU Time at RT (DS1 TSI)   |              | 1             | 1              | i                  |
| 95         | Remove DSX cross connect (5 Wire)  |              |               |                |                    |
| 96         | FIBER CROSS CONNECT  |              |               |                |                    |
| 97         | Install 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)  |              |               |                |                    |
| 98         | Remove 2 Fiber cross connects at LGX (2 minutes x 2 Fiber cross connects at LGX)   | ١.           |               |                |                    |
| 99         | OTDR (Optical Time Domain Reflecometer) testing using Fiber Check 5000 type system |              |               |                |                    |
| 100        | 2 WIRE CROSS CONNECT AT THE FDI  |              | 1             | 1              | Í                  |
| 101        | Setup time / 2 work activities   | ,            | 1             | 1              | ļ                  |
| 102        | Perform continuity test for ILEC   | i            |               |                |                    |
| 103        | Install cross connect (Binding Post)   |              |               |                |                    |
| 104        | Tear down setup / 2 work activities  |              |               |                |                    |
| 105        | Setup time / 2 work activities   | • •          | İ             |                | Ì                  |
| 106        | Perform continuity test for ILEC   |              |               |                | ł                  |
| 107        | Remove existing cross connect (Binding Post)                                       |              |               |                |                    |
| 108        | Tear down setup / 2 work activities  |              | 1             |                |                    |
| 109        | 4 WIRE CROSS CONNECT AT THE FDI  | 4.5          |               |                | 1                  |
| 110<br>111 | Negotiate customer release (CLEC to ILEC) Setup time / 1 work activity             | Ì            |               | Ì              |                    |
| 112        | Install cross connect (Binding Post)   |              |               |                |                    |
| 113        | Tear down setup / 1 work activity  | J            | J             | j              | J                  |
| 114        | Remove SMAS (wire wrap)  | •            | 1             |                |                    |
| 115        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)    |              | ĺ             |                | 1                  |
| 116        | Setup time / 2 work activities   |              | }             | 1              |                    |
| 117        | Remove existing cross connect (Binding Post)                                       | l            |               | 1              | 1                  |
| 118        | Tear down setup / 2 work activities  |              |               | l              | l                  |

| 1          | 1  | 15                                   | 16                                  | 17   | 18  | 19       | 20  | 21                                     | 22                                      | 23   |
|------------|--|--------------------------------------|-------------------------------------|--|---|----------|---|--|---|--|
| ID<br>No.  | Process Flow / Activity  | POTS / SDN BRI<br>Migration<br>(TSR) | POTS /<br>ISDN BRI<br>Install (TSR) | POTS /<br>ISDN BRI<br>Migration<br>(UNE<br>Platform) | POTS /<br>ISDN BRI<br>Install (UNE<br>Platform) | (TSR/UNE | 6<br>POTS/<br>ISDN BRI<br>Migration<br>(UNE!Loop) | POTS AISDN<br>BRITISTALL<br>(UNE Loop) | ROTEMEDN<br>BEIL<br>Diconiec<br>UNE 650 | oj.<br>Iotajujo<br>Mariki                  |
| 119        | 4 WIRE LOOP and OTHER DESIGNED SERVICES  |                                      |                                     |  |   |          |   |  |   | 17-1-18-18-18-18-18-18-18-18-18-18-18-18-1 |
| 120        | Negotiate customer release (CLEC to ILEC)  |                                      |                                     | j  |   | •        |   |  | <b>i</b> '                              |  |
| 121        | Monitor circuit for traffic busy and correct assignment  |                                      |                                     |  |   |          |   |  | İ                                       |  |
| 122        | Monitor circuit for traffic busy and correct assignment  |                                      |                                     | i  |   |          |   | ļ                                      |   |  |
| 123        | NTEC contacts SSC to verify valid disconnect   |                                      |                                     |  |   |          |   | 1                                      |   |  |
| 124        | SS I&M OSP contacts SSC to verify valid disconnect   | ŀ                                    |                                     | İ  | -   |          | ļ   |  |   |  |
| 125        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper)               |                                      |                                     |  |   | İ        |   |  | 1                                       |  |
| 126        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper)                |                                      |                                     |  |   |          |   |  | l                                       |  |
| 127        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)              |                                      |                                     | l  |   | l        | ĺ   | ł                                      | l                                       |  |
| 128        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumper)                |                                      |                                     |  |   |          |   | 1                                      |   |  |
| 129        | Perform continuity test (check dial tone and ANI)  |                                      |                                     |  |   | 1        |   |  | 1                                       |  |
| 130        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 wire jumpers)                   | ļ                                    |                                     |  |   |          |   |  |   |  |
| 131        | Install cross connect (2 wire wrap, to AD4 ADTS Channel Bank / unitized SMAS)                    |                                      | ]                                   |  |   |          | 1   |  |   |  |
| 132        | Remove (2 wire wrap to AD4 ADTS Channel Bank / unitized SMAS)                                    |                                      |                                     |  |   |          | į   |  |   |  |
| 133        | Install channel unit at AD4 (Z Office)   |                                      |                                     |  |   | ĺ        |   |  |   |  |
| 134        | DCS CPU Time (A Office)  |                                      |                                     |  |   |          | l   |  | 1                                       |  |
| 135        | Install CSU/DSU at STP   |                                      |                                     |  |   | 1        | Į.  |  |   |  |
| 136        | Remove cross connect (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)                   |                                      |                                     |  |   |          |   |  |   |  |
| 137        | Install cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)                          |                                      |                                     |  |   |          |   |  |   |  |
| 138        | Remove cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)                           |                                      | •                                   | i  |   |          |   |  | l                                       |  |
| 139        | Install DSX cross connect (5 wire) Remove DSX wire cross connect (5 wire, existing ILEC service) |                                      |                                     | 1  |   | İ        | ļ   |  | 1                                       |  |
| 140        | Remove DSX wire cross connect (5 wire)   |                                      |                                     |  |   |          | ł   | ŀ                                      |   |  |
| 141<br>142 | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU                   |                                      |                                     |  |   |          |   |  |   |  |
| 143        | Install plug-in at RT  |                                      |                                     |  |   |          |   |  |   |  |
| 144        | Install plug-in at ADM   |                                      |                                     | ĺ  |   |          |   |  | 1                                       |  |
| 145        | Install DS1 Smart Jack (Intelligent RJ48)  |                                      |                                     |  |   |          | 1   |  |   |  |
| 146        | Install Cross connect (4 wire SMAS, wire wrap)   |                                      |                                     |  |   |          | ļ   |  |   | ,  |
| 147        | Perform DDS testing  |                                      |                                     |  |   | 1        | l   |  |   |  |
| 148        | Perform loop back analysis test  |                                      |                                     |  |   | ł        |   | İ                                      |   |  |
| 149        | Perform DDS latching loop back test  |                                      | Į                                   |  |   |          | ł   |  |   |  |
| 150        | Perform testing (1000 Hz.)   |                                      |                                     |  |   |          |   |  | 1                                       |  |
| 151        | Perform continuity test (check dial tone and ANI)  | i                                    | ľ                                   |  |   |          |   |  |   |  |
| 152        | Perform testing (loss, noise, 3-tone slope, loopback, etc.)                                      |                                      | Ì                                   | į  |   | 1        |   |  | · ·                                     |  |
| 153        | Remove SMAS (wire wrap)  |                                      | ĺ                                   |  |   |          |   |  |   |  |
| 154        | Remove SMAS (wire wrap)  | 1                                    | ľ                                   |  |   | ĺ        |   | ĺ                                      | 1                                       |  |
| 155        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)                  | . ,                                  |                                     | 1  |   |          |   |  | 1                                       |  |
| 156        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)                  |                                      | ļ.                                  |  |   | I        | l   |  | 1                                       |  |
| 157        | SIMPLE CROSS CONNECT AT THE NID  |                                      |                                     | 1  |   | l        | 1   |  | 1                                       |  |
| 158        | Customer contact to gain access  |                                      | ŀ                                   |  |   |          |   |  | ļ                                       |  |
| 159        | Setup time / 1 work activity   | l .                                  | Ì                                   | 1  | ŀ   | 1        | 1   | ŀ                                      |   |  |

Attachment C

| 1          | 2   | 24                      | 25                           | 26                                 | 27                   | 28                       | 29                   | 30         | 31           | 32                    |
|------------|---|-------------------------|------------------------------|------------------------------------|----------------------|--------------------------|----------------------|------------|--------------|-----------------------|
|            |   | 10                      | 111                          | 12                                 | 13                   | 14 C                     | 15                   | 16         | 17           | Channeliza            |
| ID.        |   | 4 Wire                  |                              | 4 Wire                             | 2 Wire               | 2 Wire                   | 4 Wire               | 4 Wire     | 2 Wire       | diosi<br>Vijual       |
| No.        | Process Flow / Activity,  | Migration<br>(UNE Loop) | 4 Wire Install<br>(UNE Loop) | 4 Wire<br>Disconnect<br>(UNE Loop) | Migration at the FDI | Disconnect<br>at the FDI | Migration at the FDI | Disconnect | Migration at | Arendao<br>Raringsale |
| 119        | PreiBela Orepsi OTHER DESIGNED SERVICES   |                         |                              |                                    |                      |                          |                      |            |              |                       |
| 120        | Negotiate customer release (CLEC to ILEC)   | X                       |                              |                                    | 1                    |                          |                      | 1          |              |                       |
| 121        | Monitor circuit for traffic busy and correct assignment   | X                       | İ                            | X                                  | {                    |                          |                      | Ī          |              |                       |
| 122        | Monitor circuit for traffic busy and correct assignment   | i                       | ļ                            |                                    |                      |                          |                      |            |              |                       |
| 123        | NTEC contacts SSC to verify valid disconnect  |                         |                              | X                                  | ŀ                    |                          |                      |            |              |                       |
| 124        | SS I&M OSP contacts SSC to verify valid disconnect  |                         |                              | ŀ                                  |                      |                          |                      | X          | ł            |                       |
| 125        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper)                    | X                       |                              |                                    |                      | 1                        |                      |            |              |                       |
| 126        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper)                     | Ì                       |                              |                                    |                      |                          |                      |            | •            |                       |
| 127        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)                   | ĺ                       | X                            | 1                                  | i                    | ł                        |                      | ł          | ľ            |                       |
| 128        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumper)                     | ļ                       | 1                            |                                    |                      |                          |                      |            |              |                       |
| 129        | Perform continuity test (check dial tone and ANI)   | ,                       |                              |                                    |                      | ĺ                        |                      |            |              |                       |
| 130        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 wire jumpers)                        | ŀ                       | ŀ                            |                                    |                      |                          |                      | İ          |              |                       |
| 131        | Install cross connect (2 wire wrap, to AD4 ADTS Channel Bank / unitized SMAS)                         | ĺ                       | ļ                            |                                    | 1                    | ļ                        |                      |            | į            |                       |
| 132        | Remove (2 wire wrap to AD4 ADTS Channel Bank / unitized SMAS)   |                         |                              |                                    |                      |                          |                      |            |              |                       |
| 133        | Install channel unit at AD4 (Z Office)  |                         |                              |                                    | 1                    |                          |                      |            |              |                       |
| 134        | DCS CPU Time (A Office)   |                         |                              |                                    |                      |                          |                      |            |              |                       |
| 135<br>136 | Install CSU/DSU at STP Remove cross connect (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers) |                         |                              |                                    |                      | ]                        |                      |            |              |                       |
| 130        | Install cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)                               |                         |                              |                                    | ŀ                    | 1                        |                      |            |              |                       |
| 137        | Remove cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)                                |                         | İ                            |                                    | l                    |                          |                      | ]          |              |                       |
| 139        | Install DSX cross connect (5 wire)  |                         |                              |                                    | 1                    | •                        |                      |            |              |                       |
| 140        | Remove DSX wire cross connect (5 wire, existing ILEC service)   | · ·                     |                              |                                    |                      |                          |                      |            | !            |                       |
| 141        | Remove DSX cross connect (5 wire)   | ·                       | ł                            | 1                                  | ł                    | ł                        |                      | l          | i            |                       |
| 142        | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU                        |                         |                              |                                    |                      |                          |                      |            |              |                       |
| 143        | Install plug-in at RT   |                         |                              |                                    |                      |                          |                      | i          | Ì            |                       |
| 144        | Install plug-in at ADM  |                         |                              |                                    |                      |                          |                      |            | ł            |                       |
| 145        | Install DS1 Smart Jack (Intelligent RJ48)   |                         | İ                            |                                    |                      |                          |                      |            | Ì            |                       |
| 146        | Install Cross connect (4 wire SMAS, wire wrap)  |                         | l x                          |                                    |                      |                          |                      |            |              | 1                     |
| 147        | Perform DDS testing   | , ,                     | i '                          |                                    |                      |                          |                      |            |              |                       |
| 148        | Perform loop back analysis test   |                         |                              |                                    |                      |                          |                      | 1          |              |                       |
| 149        | Perform DDS latching loop back test   | • •                     |                              |                                    | 1                    |                          |                      | <u> </u>   |              |                       |
| 150        | Perform testing (1000 Hz.)  | x                       | x                            |                                    | 1                    |                          |                      |            |              |                       |
| 151        | Perform continuity test (check dial tone and ANI)   |                         |                              |                                    |                      |                          |                      | ļ          |              |                       |
| 152        | Perform testing (loss, noise, 3-tone slope, loopback, etc.)   |                         | X                            |                                    |                      |                          |                      |            |              |                       |
| 153        | Remove SMAS (wire wrap)   |                         | İ                            | x                                  | •                    | l                        |                      |            |              |                       |
| 154        | Remove SMAS (wire wrap)   |                         | 1                            | }                                  | }                    | ł                        |                      | 1          |              |                       |
| 155        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)                       |                         |                              | X                                  |                      |                          |                      |            |              |                       |
| 156        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)                       | X                       |                              |                                    |                      |                          |                      | <b>!</b>   | [            |                       |
| 157        | SIMPLE CROSS CONNECT AT THE NID   |                         | l                            |                                    | ļ                    | l                        |                      |            |              |                       |
| 158        | Customer contact to gain access   |                         |                              |                                    | 1                    | 1                        |                      | 1          | X            |                       |
| 159        | Setup time / 1 work activity  |                         | 1                            |                                    | 1                    | 1                        |                      | 1          | X            |                       |

Attachment C

| 1          | 2  | 33  | 34        | 35                 | 36          | 37                 | 38             | 39                                  | 40            | 41                      |
|------------|--|---|-----------|--------------------|-------------|--------------------|----------------|-------------------------------------|---------------|-------------------------|
| lD.        |  | 19<br>Channelize<br>d DS1<br>Virtual<br>Feeder (o | DS1       | DS1<br>Interoffice | DS3         | DS3<br>Interoffice | 24<br>2 Wire I | £<br>Σ(Mic)                         | 20<br>23Wiiti | 217<br>4 Wife<br>1 koza |
| No.        | Process Flow / Activity  | RT  | Transport | Transport          | Transport   | Transport          | different CO   | LOOP SM<br>different CO<br>Minstell | illieren 60   | eliferente@             |
| 111.00     |  | Disconnect  | Install   | Disconnect         | install (%) | Disconnect         | Migration      | A Install                           | Decouned      | Migration               |
|            | Preintaco Orepot OTHER DESIGNED SERVICES   |   |           |                    |             | 1                  |                | ļ '                                 |               | 1                       |
| 120        | Negotiate customer release (CLEC to ILEC)  | <u> </u>  | l         | 1                  | i           | l                  | X              | i                                   |               | X                       |
| 121        | Monitor circuit for traffic busy and correct assignment  |   | ļ         |                    |             |                    | X              |                                     | X             | X                       |
| 122        | Monitor circuit for traffic busy and correct assignment  |   |           |                    |             |                    |                |                                     |               | }                       |
| 123        | NTEC contacts SSC to verify valid disconnect   |   | 1         | 1                  | 1           |                    | l              | ļ                                   |               | }                       |
| 124<br>125 | SS I&M OSP contacts SSC to verify valid disconnect  Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper) |   |           |                    |             | ]                  |                |                                     |               | l x                     |
| 126        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper)  |   |           |                    |             |                    |                |                                     | i             | <b>! ^</b> .            |
| 127        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumpers)  | j   | ]         | 1                  | j           | j                  | ļ              | j                                   |               |                         |
| 128        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumper)  |   | į         |                    |             |                    | 1              | ì                                   |               | 1                       |
| 129        | Perform continuity test (check dial tone and ANI)  |   |           |                    |             |                    | x              | l                                   |               |                         |
| 130        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 wire jumpers)   |   |           |                    |             |                    | x              | x                                   |               |                         |
| 131        | Install cross connect (2 wire wrap, to AD4 ADTS Channel Bank / unitized SMAS)  | [ .   | ĺ         |                    | 1           | ĺ                  | Î              | Î                                   |               | j                       |
| 132        | Remove (2 wire wrap to AD4 ADTS Channel Bank / unitized SMAS)  |   |           |                    |             |                    |                |                                     | x             |                         |
| 133        | Install channel unit at AD4 (Z Office)   |   |           |                    | ĺ           |                    | x              | x                                   |               | x                       |
| 134        | DCS CPU Time (A Office)  | 1   | ł         |                    | 1           | ł                  | X              | X                                   |               | X                       |
| 135        | Install CSU/DSU at STP   | j   |           |                    |             |                    | 1              | !                                   |               |                         |
| 136        | Remove cross connect (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)   |   |           | İ                  |             |                    | İ              | j                                   |               | l                       |
| 137        | Install cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)  | ]   |           | Į                  | l           |                    | <b>.</b>       | j                                   |               | X                       |
| 138        | Remove cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)   |   |           |                    |             |                    |                | 1                                   |               |                         |
| 139        | Install DSX cross connect (5 wire)   | •   |           |                    |             |                    |                |                                     |               | 1                       |
| 140        | Remove DSX wire cross connect (5 wire, existing ILEC service)  |   | j         | ļ                  | ļ           |                    | }              | j                                   |               | j                       |
| 141        | Remove DSX cross connect (5 wire)  | 1   | i         |                    |             |                    |                |                                     |               | ļ                       |
| 142        | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU   |   |           |                    |             |                    |                | ļ                                   |               | }                       |
| 143        | Install plug-in at RT  |   | i         |                    |             |                    |                |                                     |               |                         |
| 144        | Install plug-in at ADM   | 1   | í         | 1                  | 1           | ĺ                  | 1              | ĺ                                   |               | ĺ                       |
| 145        | Install DS1 Smart Jack (Intelligent RJ48)  |   |           |                    |             |                    |                |                                     |               |                         |
| 146        | Install Cross connect (4 wire SMAS, wire wrap)   | i .   |           | 1 .                |             |                    |                |                                     |               |                         |
| 147        | Perform DDS testing  | ł   | ì         | 1                  | ł           | ł                  | l              | 1                                   |               | ł                       |
| 148        | Perform loop back analysis test  | 1   |           |                    |             | 1                  |                |                                     |               |                         |
| 149        | Perform DDS latching loop back test  |   | 1         |                    |             | 1                  | l              | ,                                   |               | ١ .                     |
| 150<br>151 | Perform testing (1000 Hz.) Perform continuity test (check dial tone and ANI)   | 1   | ļ         | l                  | ł           |                    | l X            | X<br>X                              |               | X                       |
| 152        | Perform testing (loss, noise, 3-tone slope, loopback, etc.)  |   |           |                    |             |                    | . ^            | ^                                   |               |                         |
| 153        | Remove SMAS (wire wrap)  |   | •         |                    | 1           |                    |                |                                     |               |                         |
| 153        | Remove SMAS (wire wrap)  |   | j         | 1                  | j           | J                  | J              | j                                   |               | x                       |
| 155        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)  | !   | i.        | 1                  | 1           |                    | 1              |                                     |               | <b>  ^</b>              |
| 156        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)  | 1   | ľ         | 1                  | 1           | 1                  | l              | l                                   |               | x                       |
| 157        | SIMPLE CROSS CONNECT AT THE NID  |   | [         | 1                  |             | l                  | 1              | ĺ                                   |               | "                       |
| 158        | Customer contact to gain access  | 1   | 1         | [                  | [           | ĺ                  | ſ              | ſ                                   |               |                         |
| 159        | Setup time / 1 work activity   | 1 .   | ĺ         |                    | ļ           | I                  | 1              |                                     |               |                         |
|            | •  |   | •         | •                  | •           | •                  | •              | •                                   |               | •                       |

| 1          | 2   | 42                               | 43                                  | 44             | 45                                | 48                                   | 49   | 50          | 51                                  | 52                             |
|------------|---|----------------------------------|-------------------------------------|----------------|-----------------------------------|--------------------------------------|--|-------------|-------------------------------------|--------------------------------|
| *          |   | 28<br>4 Wire                     | 29<br>4 Wire                        | 30<br>DS1 Loop | 31<br>DS1 Loop                    | 32<br>DS1 Loop                       | 33<br>34<br>35<br>35<br>35<br>35<br>35<br>35<br>35 | 043 Loop    | 05%<br>DS: Loop                     | 36<br>Line Port                |
| ID<br>No.  | Process Flow / Activity   | Loop,<br>different CO<br>Install | Loop,<br>different CO<br>Disconnect |                | to Customer<br>Premise<br>Install | to Customer<br>Premise<br>Disconnect | Premise  | # Premise % | o Customer<br>Promise<br>Disconnect | (DSO)<br>Analog<br>ISBUNIANAI! |
| 119        | Prei Beda Grepsi Other designed services  |                                  |                                     |                |                                   |                                      |  |             |                                     |                                |
| 120        | Negotiate customer release (CLEC to ILEC)   |                                  |                                     | X              | 1                                 |                                      | X  |             | ļ                                   |                                |
| 121        | Monitor circuit for traffic busy and correct assignment                             |                                  | X                                   |                |                                   | ļ                                    | Ì  |             |                                     |                                |
| 122        | Monitor circuit for traffic busy and correct assignment                             |                                  | [ '                                 | X              |                                   | X                                    | ( X  |             | X                                   |                                |
| 123        | NTEC contacts SSC to verify valid disconnect  |                                  |                                     |                | Ì                                 |                                      |  |             |                                     |                                |
| 124        | SS I&M OSP contacts SSC to verify valid disconnect                                  | <b>}</b> ,                       | 1                                   | }              |                                   |                                      | 1  | l           | ŀ                                   |                                |
| 125        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper)  | X `                              |                                     |                | l                                 |                                      |  | <b>!</b>    | ļ                                   |                                |
| 126        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper)   |                                  | X                                   |                |                                   |                                      | ]  |             |                                     |                                |
| 127        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers) | ĺ                                | l                                   | ĺ              | 1                                 | ĺ                                    | ĺ  | ĺ           | [ ]                                 |                                |
| 128        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumper)   |                                  | j                                   |                | l                                 |                                      | 1  |             |                                     |                                |
| 129        | Perform continuity test (check dial tone and ANI)                                   |                                  | }                                   | }              |                                   | ]                                    | }  | Į           |                                     |                                |
| 130        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 wire jumpers)      |                                  |                                     |                | l                                 | ļ                                    | 1  |             |                                     |                                |
| 131        | Install cross connect (2 wire wrap, to AD4 ADTS Channel Bank / unitized SMAS)       |                                  |                                     |                |                                   | ł                                    | •  |             |                                     |                                |
| 132<br>133 | Remove (2 wire wrap to AD4 ADTS Channel Bank / unitized SMAS)                       | ×                                | i                                   |                | ł                                 | l                                    | 1  | ł           |                                     |                                |
| 134        | Install channel unit at AD4 (Z Office) DCS CPU Time (A Office)                      | x                                |                                     |                |                                   | 1                                    | 1  | İ           |                                     |                                |
| 135        | Install CSU/DSU at STP  | ^                                |                                     |                |                                   |                                      | Ì  | 1           | l I                                 |                                |
| 136        | Remove cross connect (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)      | [                                |                                     |                |                                   | [                                    |  | [           | [                                   |                                |
| 137        | Install cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)             | x                                | ļ                                   | <u> </u>       | İ                                 |                                      | l  |             | :                                   |                                |
| 138        | Remove cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)              | } "                              | x                                   |                | l                                 |                                      |  | Ì           | }                                   |                                |
| 139        | Install DSX cross connect (5 wire)  | [                                | "                                   | x              | x                                 |                                      |  |             |                                     |                                |
| 140        | Remove DSX wire cross connect (5 wire, existing ILEC service)                       |                                  |                                     | l x            |                                   |                                      | }  | 1           |                                     |                                |
| 141        | Remove DSX cross connect (5 wire)   | 1                                | 1                                   | 1              |                                   | x                                    | ĺ  |             |                                     |                                |
| 142        | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU      | ļ                                |                                     | l x            | x                                 | 1                                    | ļ  |             |                                     |                                |
| 143        | Install plug-in at RT   | 1                                | 1                                   | 1              | x                                 | J                                    | ļ  | j           |                                     |                                |
| 144        | Install plug-in at ADM  |                                  |                                     |                | X                                 |                                      | Į  |             | 1                                   |                                |
| 145        | Install DS1 Smart Jack (Intelligent RJ48)   |                                  |                                     |                | X                                 | 1                                    |  |             | '                                   |                                |
| 146        | Install Cross connect (4 wire SMAS, wire wrap)                                      |                                  | ŀ                                   | i              | i                                 |                                      | ł  | ł           | l I                                 |                                |
| 147        | Perform DDS testing   | ,                                | 1                                   | 1              |                                   |                                      |  |             |                                     |                                |
| 148        | Perform loop back analysis test   | l .                              |                                     |                | X                                 | }                                    |  |             | 1                                   |                                |
| 149        | Perform DDS latching loop back test   | [ ,                              | <b>{</b> .                          |                |                                   | •                                    | 1  |             |                                     |                                |
| 150        | Perform testing (1000 Hz.)  | X                                |                                     |                |                                   | 1                                    |  |             | <b>.</b>                            |                                |
| 151        | Perform continuity test (check dial tone and ANI)                                   | }                                | 1                                   | 1              | 1                                 | <u> </u>                             | ł  | ł           |                                     |                                |
| 152        | Perform testing (loss, noise, 3-tone slope, loopback, etc.)                         |                                  |                                     |                |                                   | 1                                    | l  | 1           |                                     |                                |
| 153        | Remove SMAS (wire wrap)   | 1                                | 1                                   |                |                                   | l                                    | İ  | ì           |                                     |                                |
| 154        | Remove SMAS (wire wrap)   |                                  |                                     | [              | 1                                 | •                                    |  |             | [                                   |                                |
| 155        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)     | 1                                | !                                   | 1              | l                                 | !                                    | l  | 1           | ]                                   |                                |
| 156        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)     | ļ                                | l                                   |                | 1                                 | l                                    | 1  | Į.          |                                     |                                |
| 157        | SIMPLE CROSS CONNECT AT THE NID   |                                  |                                     |                |                                   |                                      | l  |             | 1                                   |                                |
| 158        | Customer contact to gain access   |                                  | !                                   | ]              |                                   | 1                                    | 1  |             |                                     |                                |
| 159        | Setup time / 1 work activity  | <b>)</b>                         | l                                   | Į.             | 1                                 | j .                                  | }  | Į.          | , ,                                 | l                              |



| 1          | 2  | 53         | 54         | 55         | 56          | 57                  | 58            | 59            | 60            | 61         |
|------------|--|------------|------------|------------|-------------|---------------------|---------------|---------------|---------------|------------|
|            |  | 37         | 38,        | 39         | 40          | 41,                 | 42 ( 2        | 1574 43 JB 14 | 44            | 45         |
|            |  | Line Port  | Channelize | Channelize |             |                     | 4.00          |               |               |            |
| 33         |  | (DSO,      | d DS1 line |            | Fiber Cross |                     |               |               |               |            |
| ID.        |  | Analog,    | port (TR-) | port (TR-  | Connects    |                     | 11.0          | SS7 Links     |               | SS7 Linka  |
| No.        | Process Flow / Activity  | (UJSL      | 303-IDT)   | . 303-IDT) | instali     | Disconnect<br>(LGX) | SS7 Links     | (DS0)         | SS7/Unker     | (0S1)      |
| 3.77       |  | Disconnect | "Install", | Disconnect | (LGX)       | (LGX)               | (DS0) Install | Disconnect    | (1997) (1994) | Distances. |
|            | Prei OF A Concept OTHER DESIGNED SERVICES  |            |            |            |             | [                   |               |               |               |            |
| 120        | Negotiate customer release (CLEC to ILEC)  |            | <b>{</b>   |            | ł           | 1                   |               | 1             |               |            |
| 121        | Monitor circuit for traffic busy and correct assignment  |            |            |            | i           |                     |               | X             |               |            |
| 122        | Monitor circuit for traffic busy and correct assignment  |            |            | Х          |             | X                   |               |               | ,             | X          |
| 123        | NTEC contacts SSC to verify valid disconnect   |            |            |            | 1           | 1                   |               |               |               |            |
| 124        | SS I&M OSP contacts SSC to verify valid disconnect   | •          | 1          | 1          | 1           | l                   |               |               |               |            |
| 125<br>126 | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper) Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper) |            |            |            |             |                     |               |               |               |            |
| 127        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)  |            |            | 1          |             | J                   |               |               |               |            |
| 128        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumper)  |            |            |            | İ           |                     |               |               |               |            |
| 129        | Perform continuity test (check dial tone and ANI)  |            |            |            |             |                     |               |               |               |            |
| 130        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 wire jumpers)   |            | 1.         | [          | ĺ           | 1                   |               |               |               |            |
| 131        | Install cross connect (2 wire wrap, to AD4 ADTS Channel Bank / unitized SMAS)  |            |            |            |             |                     |               |               |               |            |
| 132        | Remove (2 wire wrap to AD4 ADTS Channel Bank / unitized SMAS)  |            |            |            |             | 1                   |               |               |               |            |
| 133        | Install channel unit at AD4 (Z Office)   |            |            |            |             | ļ                   | x             | •             |               |            |
| 134        | DCS CPU Time (A Office)  | •          | į          |            | 1           | Í                   | X             |               | !             |            |
| 135        | Install CSU/DSU at STP   |            | 1          |            |             | <u> </u>            | Х             |               |               |            |
| 136        | Remove cross connect (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)   | !          | <u> </u>   | }          |             | İ                   |               | <b>'</b>      |               |            |
| 137        | Install cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)  |            |            |            |             | 1                   | X             |               |               |            |
| 138        | Remove cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)   |            |            | •          | i           |                     |               | X             |               |            |
| 139        | Install DSX cross connect (5 wire)   |            |            |            | 1           |                     |               |               |               |            |
| 140        | Remove DSX wire cross connect (5 wire, existing ILEC service)  |            |            |            | 1           | ł                   |               | }             |               |            |
| 141<br>142 | Remove DSX cross connect (5 wire) Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU   |            | ' ·        |            | ]           |                     |               |               |               |            |
| 142        | Install plug-in at RT  |            | į          |            | }           |                     |               |               |               | İ          |
| 144        | Install plug-in at ADM   |            |            |            |             |                     |               |               |               |            |
| 145        | Install DS1 Smart Jack (Intelligent RJ48)  |            |            |            |             | )                   |               |               |               |            |
| 146        | Install Cross connect (4 wire SMAS, wire wrap)   |            |            |            |             |                     |               |               |               |            |
| 147        | Perform DDS testing  |            | ,          |            | j           |                     | x             | ļ             |               |            |
| 148        | Perform loop back analysis test  | ,          |            |            |             |                     |               |               |               |            |
| 149        | Perform DDS latching loop back test  |            |            |            |             |                     | · x           |               |               |            |
| 150        | Perform testing (1000 Hz.)   |            |            |            |             |                     |               |               |               |            |
| 151        | Perform continuity test (check dial tone and ANI)  |            |            |            |             |                     |               | i             |               |            |
| 152        | Perform testing (loss, noise, 3-tone slope, loopback, etc.)  |            |            |            |             |                     |               |               |               |            |
| 153        | Remove SMAS (wire wrap)  |            |            |            | 1           |                     |               |               |               |            |
| 154        | Remove SMAS (wire wrap)  |            |            |            |             |                     |               | !             |               |            |
| 155        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)  |            |            |            |             |                     |               |               |               |            |
| 156        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)  |            | 1          |            | ľ           |                     |               |               |               |            |
| 157<br>158 | SIMPLE CROSS CONNECT AT THE NID  | '          |            | 1          | İ           | l                   |               |               | ĺ             |            |
| 159        | Customer contact to gain access Setup time / 1 work activity   |            |            |            | ľ           |                     |               |               |               |            |
| 139        | octup titile / 1 work activity   |            | Į.         |            | l           | 1                   | l             | i l           |               |            |

| 1          | 2   | 62   | 63   | 64   | 65   |
|------------|---|--|--|--|--|
| 1.772.2    |   | 46   | 47   | 48   | . 49.  |
| ID<br>No.  | Process Flow / Activity   | SS7 STP<br>global title<br>translations<br>'A Link' only | SS7 STP<br>global title<br>translations<br>'A Link' only | SS7 STP<br>message<br>transfer part<br>'A Link' only | SS7 STP<br>message<br>transfer part<br>'A Link' only<br>(port) |
| + 973      |   | Install :  | Disconnect   | (port) Install                                       | Disconnect   |
| 119        | Preint Aco Orepost OTHER DESIGNED SERVICES  |  |  |  |  |
| 120        | Negotiate customer release (CLEC to ILEC)   |  |  |  |  |
| 121        | Monitor circuit for traffic busy and correct assignment   |  |  |  |  |
| 122        | Monitor circuit for traffic busy and correct assignment   |  |  |  |  |
| 123        | NTEC contacts SSC to verify valid disconnect  |  |  |  |  |
| 124<br>125 | SS 1&M OSP contacts SSC to verify valid disconnect Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper) |  |  |  |  |
| 126        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 1 four wire jumper)   |  |  |  |  |
| 127        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)   |  |  |  |  |
| 128        | Remove cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 four wire jumper)   |  |  |  |  |
| 129        | Perform continuity test (check dial tone and ANI)   |  | •  |  |  |
| 130        | Install cross connect MDF (COSMIC-like frame, e.g. punch-down, 2 wire jumpers)  |  |  |  |  |
| 131        | Install cross connect (2 wire wrap, to AD4 ADTS Channel Bank / unitized SMAS)   |  |  |  |  |
| 132        | Remove (2 wire wrap to AD4 ADTS Channel Bank / unitized SMAS)   | 1  |  |  |  |
| 133        | Install channel unit at AD4 (Z Office)  |  |  |  |  |
| 134        | DCS CPU Time (A Office)   |  | 1  |  |  |
| 135        | Install CSU/DSU at STP  |  |  |  |  |
| 136        | Remove cross connect (COSMIC-like frame, e.g. punch-down, 2 four wire jumpers)  |  |  |  |  |
| 137        | Install cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)   |  |  |  |  |
| 138        | Remove cross connect (4 wire wrap to AD4 Channel Bank / unitized SMAS)  |  |  |  |  |
| 139        | Install DSX cross connect (5 wire)  | ٠  |  |  |  |
| 140        | Remove DSX wire cross connect (5 wire, existing ILEC service)   |  |  |  |  |
| 141        | Remove DSX cross connect (5 wire)   |  |  |  |  |
| 142        | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  | ,  |  |  |  |
| 143        | Install plug-in at RT   |  |  |  |  |
| 144        | Install plug-in at ADM  |  |  |  |  |
| 145        | Install DS1 Smart Jack (Intelligent RJ48)   |  |  |  |  |
| 146        | Install Cross connect (4 wire SMAS, wire wrap)  |  |  |  |  |
| 147        | Perform DDS testing   | ·  |  |  |  |
| 148        | Perform loop back analysis test   |  |  |  |  |
| 149<br>150 | Perform DDS latching loop back test Perform testing (1000 Hz.)  |  |  |  |  |
| 151        | Perform continuity test (check dial tone and ANI)   |  |  |  |  |
| 152        | Perform testing (loss, noise, 3-tone slope, loopback, etc.)   |  |  |  |  |
| 153        | Remove SMAS (wire wrap)   |  |  | 1  |  |
| 154        | Remove SMAS (wire wrap)   |  |  |  |  |
| 155        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)   |  | ł  |  |  |
| 156        | Remove cross connect from MDF (Cosmic-like frame, e.g. punch down, 2 four wire)   | ,  |  | i  |  |
| 157        | SIMPLE CROSS CONNECT AT THE NID   |  |  |  |  |
| 158        | Customer contact to gain access   |  |  |  |  |
| 159        | Setup time / 1 work activity  | :  |  | 1  |  |

| POTS / FOTS / ISDN BRI POTS / |
|---|
| 161 Perform continuity test (check dial tone and ANI) 162 Tear down setup / I work activity 163 DS3 FACILITIES (Loop and Transport) 164 Install card for DCS 165 Perform DSX3 cross connect 166 Install card for SONET MUX (high speed - OC48 to STS1 or DS3) 167 Install card for SONET MUX (high speed - OC48 to STS1 or DS3) 168 Electronic cross connect on DCS 169 Electronic disconnect on DCS 170 Electronic cross connect on SONET MUX 171 Electronic cross connect on SONET MUX 172 Perform remote PRSB15 test 173 Performance monitoring testing 174 Retrieve and analyze performance monitoring data   |
| Tear down setup / 1 work activity  163 DS3 FACILITIES (Loop and Transport)  164 Install card for DCS  165 Perform DSX3 cross connect  166 Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  167 Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  168 Electronic cross connect on DCS  169 Electronic cross connect on DCS  170 Electronic cross connect on SONET MUX  171 Electronic cross connect on SONET MUX  172 Perform remote PRSB15 test  173 Performance monitoring testing  174 Retrieve and analyze performance monitoring data  |
| 163 DS3 FACILITIES (Loop and Transport) 164 Install card for DCS 165 Perform DSX3 cross connect 166 Install card for SONET MUX (high speed - OC48 to STS1 or DS3) 167 Install card for SONET MUX (high speed - OC48 to STS1 or DS3) 168 Electronic cross connect on DCS 169 Electronic disconnect on DCS 170 Electronic cross connect on SONET MUX 171 Electronic cross connect on SONET MUX 172 Perform remote PRSB15 test 173 Performance monitoring testing 174 Retrieve and analyze performance monitoring data   |
| Install card for DCS Perform DSX3 cross connect Install card for SONET MUX (high speed - OC48 to STS1 or DS3) Install card for SONET MUX (high speed - OC48 to STS1 or DS3) Electronic cross connect on DCS Electronic cross connect on DCS Electronic cross connect on SONET MUX Electronic cross connect on SONET MUX Perform remote PRSB15 test Perform remote PRSB15 test Retrieve and analyze performance monitoring data  |
| Perform DSX3 cross connect  Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Electronic cross connect on DCS  Electronic cross connect on DCS  Electronic cross connect on SONET MUX  Electronic cross connect on SONET MUX  Perform remote PRSB15 test  Performance monitoring testing  Retrieve and analyze performance monitoring data  |
| Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Electronic cross connect on DCS  Electronic disconnect on DCS  Electronic cross connect on SONET MUX  Electronic cross connect on SONET MUX  Perform remote PRSB15 test  Performance monitoring testing  Retrieve and analyze performance monitoring data   |
| Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  168 Electronic cross connect on DCS  169 Electronic disconnect on DCS  170 Electronic cross connect on SONET MUX  171 Electronic cross connect on SONET MUX  172 Perform remote PRSB15 test  173 Performance monitoring testing  174 Retrieve and analyze performance monitoring data  |
| Electronic cross connect on DCS  169 Electronic disconnect on DCS  170 Electronic cross connect on SONET MUX  171 Electronic cross connect on SONET MUX  172 Perform remote PRSB15 test  173 Performance monitoring testing  174 Retrieve and analyze performance monitoring data   |
| Electronic disconnect on DCS 170 Electronic cross connect on SONET MUX 171 Electronic cross connect on SONET MUX 172 Perform remote PRSB15 test 173 Performance monitoring testing 174 Retrieve and analyze performance monitoring data   |
| 171 Electronic cross connect on SONET MUX 172 Perform remote PRSB15 test 173 Performance monitoring testing 174 Retrieve and analyze performance monitoring data  |
| 172 Perform remote PRSB15 test 173 Performance monitoring testing 174 Retrieve and analyze performance monitoring data  |
| 173 Performance monitoring testing 174 Retrieve and analyze performance monitoring data   |
| 174 Retrieve and analyze performance monitoring data  |
|   |
| 175 Intrusive test (ITS)  |
|   |
| 176 CPU time for registers  |
| 177 DS1 INTEROFFICE TRANSPORT 178 Install card for DCS  |
| 178 Install card for BCS 179 Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  |
| 180 Install plug in for low speed DS1 (low speed STS1 to DS1)   |
| 181 Electronic cross connect on DCS   |
| 182 Electronic disconnect on DCS  |
| 183 Electronic cross connect on low speed DS1 (low speed DS1)   |
| 184 Electronic disconnect on low speed DS1 (low speed DS1)  |
| 185 Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  |
| 186 Performance monitoring testing  |
| 187 Install CSU/DSU at STP  |
| 188 Retrieve and analyze performance monitoring data  |
| 189 Perform SS7 test  |
| 190 Intrusive test (ITS)  |
| 191 CPU time for registers 192 SS7 STP GLOBAL TITLE TRANSLATIONS  |
| 193 Build global title translations - service level (input into SEAS / NET PILOT)   |
| 194 SS7 STP MESSAGE TRANSFER PART   |
| 195 Build MTP point code to link set translations   |
| 196 Insert translations to perform diagnostics and place in available and in-service state  |
| 197 Insert translations to place in an out-of-service and available state   |
| 198 Fall Out Steps X X X X X X X X X X X X X  |

Attachment C

| 1          | RVICE ORDER PROCESS / NON-RECORRING TIPE 2   | 24                      | 25             | 26                                 | 27           | 28            | 29           | 30                | 31           | 32                                       |
|------------|--|-------------------------|----------------|------------------------------------|--------------|---------------|--------------|-------------------|--------------|--|
| STATE OF   | The State of the S | 10                      | 11             | 12                                 | 13           | 14 (4)        | 15 Y         | 16                | 100 17 1     | 18 18 18 18 18 18 18 18 18 18 18 18 18 1 |
|            | 1. 化异类碱化物 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1  | 1000                    |                | 100                                | 10.00        |               |              |                   |              |  |
|            |  |                         | i i            | 40.10                              | 137 4 300    | 10            |              |                   |              | 8 6 DS ( 8 8                             |
| al .       |  | 4 Wire                  | 100            | 4 Wire                             | 2 Wire       | 2 Wre         | 4 Wire       | 4Wife             | 2Wire        | Visual                                   |
| No.        | Process Flow / Activity  | Migration<br>(UNE Loop) | 4 Wire Install | 4 Wire<br>Disconnect<br>(UNE Loop) | Migration at | Disconnect    | Migration at | <b>Descriped</b>  | Migration at | Translation.                             |
| 160        | Rear Angles of teps est NID  | (ONE Loop)              | (UNE Loop)     | (ONE roob)                         | Marui M      | ) at the FUI) | a me kora    | Statistics to the | Oliverallo . | Freihiethn                               |
| 160<br>161 | Perform continuity test (check dial tone and ANI)  |                         | [              | 1                                  |              | ļ             |              |                   | X            |  |
| 162        | Tear down setup / 1 work activity  | 1                       |                |                                    |              |               | ĺ            | ļ                 | l â          |  |
| 163        | DS3 FACILITIES (Loop and Transport)  | 1                       | i              | 1                                  | Ì            | ĺ             | 1            | Í                 | i -          | ľ  |
| 164        | Install card for DCS   |                         |                | İ                                  |              | 1             | 1            |                   |              |  |
| 165        | Perform DSX3 cross connect   | 1                       | ì              |                                    | Ì            | 1             | ł            | l                 | }            |  |
| 166        | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  | 1                       |                |                                    | ļ            |               |              |                   |              |  |
| 167        | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  |                         |                |                                    |              |               |              |                   |              |  |
| 168        | Electronic cross connect on DCS  | Í                       |                | ĺ                                  |              | Ĭ             | 1            |                   |              |  |
| 169        | Electronic disconnect on DCS   |                         |                |                                    | Ì            |               | Ì            | i                 |              |  |
| 170        | Electronic cross connect on SONET MUX  | 1 .                     | l .            | )                                  | ļ            | l             | ļ            |                   | •            |  |
| 171        | Electronic cross connect on SONET MUX  |                         |                |                                    | l            |               |              |                   | ļ            |  |
| 172        | Perform remote PRSB15 test   |                         |                | j                                  |              |               |              |                   |              |  |
| 173        | Performance monitoring testing   | 1 .                     |                | Í                                  | ľ            | ĺ             | į            | 1                 | ĺ            |  |
| 174        | Retrieve and analyze performance monitoring data   | 1                       |                |                                    |              | i             |              |                   | }            |  |
| 175        | Intrusive test (ITS)   | 1                       | ]              | }                                  | }            |               | j            |                   | ļ            |  |
| 176        | CPU time for registers   |                         |                |                                    |              | İ             |              |                   |              |  |
| 177<br>178 | DS1 INTEROFFICE TRANSPORT Install card for DCS   | İ                       |                |                                    |              | İ             | l            | 1                 |              |  |
| 178        | Install card for SONET MUX (high speed - OC48 to STSi or DS3)  |                         | ĺ              |                                    | •            | ĺ             | ĺ            | Ï                 |              |  |
| 180        | Install plug in for low speed DS1 (low speed STS1 to DS1)  |                         |                |                                    |              |               | 1            | l                 |              |  |
| 181        | Electronic cross connect on DCS  | 1 .                     | !              | l                                  |              | 1             | ļ            | 1                 |              |  |
| 182        | Electronic closs connect on DCS  |                         |                |                                    | 1            |               |              |                   |              |  |
| 183        | Electronic cross connect on low speed DS1 (low speed DS1)  |                         |                | İ                                  | ,            |               |              |                   | 1            |  |
| 184        | Electronic disconnect on low speed DS1 (low speed DS1)   | l                       | ĺ              | Ĭ                                  |              | i             | ľ            |                   | •            | 1  |
| 185        | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU   | i i                     |                | ļ                                  |              |               |              |                   |              |  |
| 186        | Performance monitoring testing   |                         |                | ļ                                  | <b>J</b>     | )             |              | 1                 |              | x  |
| 187        | Install CSU/DSU at STP   | 1                       | į              |                                    |              |               | ł            | i                 |              | ,  |
| 188        | Retrieve and analyze performance monitoring data   | ,                       |                |                                    |              |               | İ            | 1                 | ŀ            | x  |
| 189        | Perform SS7 test   |                         | 1              | l                                  | ł            | l             | ł            | l                 | i<br>        | ŀ  |
| 190        | Intrusive test (ITS)   | ŀ                       |                | İ                                  | İ            | İ             |              |                   |              | X  |
| 191        | CPU time for registers   | ļ                       |                | Į.                                 | 1            | 1             | Į            | 1                 | ŀ            | X  |
| 192        | SS7 STP GLOBAL TITLE TRANSLATIONS  | ,                       |                |                                    | 1            |               | 1            | 1                 |              |  |
| 193        | Build global title translations - service level (input into SEAS / NET PILOT)  |                         | l              | 1                                  |              |               |              | 1                 |              |  |
| 194        | SS7 STP MESSAGE TRANSFER PART  | ì                       | ł              | i                                  | 1            | ì             | Í            | ľ                 | f            |  |
| 195        | Build MTP point code to link set translations  | 1                       | 1              | 1                                  |              | l             |              |                   |              |  |
| 196        | Insert translations to perform diagnostics and place in available and in-service state   | ]                       | ]              | ]                                  | 1            | j             | <u> </u>     | j                 | Į            |  |
| 197        | Insert translations to place in an out-of-service and available state  |                         |                |                                    | ĺ            |               |              | l                 |              |  |
| 198        | Fall Out Steps   | X                       | X              | X                                  | X            | Į X           | X            | X                 | 1            | X  |



| 1          | 2  | 33               | 34          | 35          | 36           | 37          | 38           | 39           | 40                        | 41           |
|------------|--|------------------|-------------|-------------|--------------|-------------|--------------|--------------|---------------------------|--------------|
| 12.49      |  | 19               | 20          | 21          | 22           | 23          | 9, 924 39    | 25 M         | 164126 M                  | 270.00       |
| 2.33       |  | Channelize       |             |             |              |             |              | 17.00 有多     | 1 2 4 4 1                 | 11-11-11     |
|            |  | d DS1<br>Virtual | DS1         | DS1         | DS3          | DS3         | 2 Wire       | 2 Wre        | 2.Wire                    |              |
| ID         |  | Feeder to        | Interoffice | Interoffice | Interoffice, | Interoffice | Loop         |              | 2VMID                     | 4 Wiles      |
| No.        | Process Flow/ Activity   | RT               | Transport   | Transport   | Transport    | Transport   | different CO | different CO | amaren Go                 | different CO |
| 1.74       | TO BETTER SMILE RESPONDED TO THE   | Disconnect       | Install i   | Disconnect  | Install *    | Disconnect  | Migration    | al Install   | diferent co<br>Disconnect | Midration    |
| 160        | Rear Onglas Stepise at NID   |                  |             |             |              |             |              |              |                           |              |
| 161        | Perform continuity test (check dial tone and ANI)  |                  |             |             | Į            | ļ           | ļ            |              | !!                        |              |
| 162        | Tear down setup / 1 work activity  |                  | 1           |             | 1            |             |              |              |                           |              |
| 163        | DS3 FACILITIES (Loop and Transport)  |                  | ļ           |             | j.           | j           | ļ            |              | 1 !                       |              |
| 164        | Install card for DCS   |                  |             | 1           | X            |             | ŀ            |              | !                         | !            |
| 165        | Perform DSX3 cross connect   |                  | ļ           |             |              | į           |              | }            | ļ ,                       |              |
| 166        | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  |                  | Ì           | l           | X            |             |              | Į            | ,                         |              |
| 167        | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  |                  | ļ           | j           |              |             | ļ            | j            | j /                       |              |
| 168        | Electronic cross connect on DCS Electronic disconnect on DCS   |                  |             |             | X            |             |              | l            |                           |              |
| 169<br>170 | Electronic disconnect on DCS Electronic cross connect on SONET MUX   |                  |             |             | x            | X           |              |              | <b>i</b> '                |              |
| 171        | Electronic cross connect on SONET MUX  |                  |             | 1           | ^            |             | İ            | Ì            | ,                         |              |
| 172        | Perform remote PRSB15 test   |                  | ļ           | j           | x            | <u> </u>    | ļ            | ļ            | ] '                       |              |
| 173        | Performance monitoring testing   |                  | 1           | 1           | l x          |             | 1            |              | ,                         |              |
| 174        | Retrieve and analyze performance monitoring data   |                  |             |             | X            |             | }            |              | 1                         |              |
| 175        | Intrusive test (ITS)   |                  | 1           | 1           | X            |             | ĺ            | 1            | 1                         |              |
| 176        | CPU time for registers   |                  |             |             | l x          | }           | ŀ            |              | 1                         |              |
| 177        | DS1 INTEROFFICE TRANSPORT  |                  | ĺ           | i           |              | ĺ           | l l          | 1            | 1                         |              |
| 178        | Install card for DCS   |                  | X           |             |              |             | 1            | l            | i . '                     |              |
| 179        | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  |                  | X           | ſ           | (            |             |              | [            | [                         | ,            |
| 180        | Install plug in for low speed DS1 (low speed STS1 to DS1)  |                  | X           |             |              |             | j            |              |                           |              |
| 181        | Electronic cross connect on DCS  |                  | X           |             | į.           |             |              | Í            | į į                       |              |
| 182        | Electronic disconnect on DCS   |                  | l           | X           | j            |             | 1            |              |                           |              |
| 183        | Electronic cross connect on low speed DS1 (low speed DS1)  |                  | X           | ł           | Ĭ            |             | Ī            | i            | 1                         |              |
| 184        | Electronic disconnect on low speed DS1 (low speed DS1)   | • ;              |             | X           | ŀ            |             |              |              |                           |              |
| 185<br>186 | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  Performance monitoring testing |                  | X<br>X      | i           | Ì            |             | İ            | <b>!</b>     | !                         |              |
| 187        | Install CSU/DSU at STP   |                  | ^           | ١.          |              |             | Ì            |              | ,                         |              |
| 188        | Retrieve and analyze performance monitoring data   |                  | x           | 1           |              |             |              |              | ( /                       |              |
| 189        | Perform SS7 test   |                  | • • •       |             |              |             |              |              | '                         |              |
| 190        | Intrusive test (ITS)   |                  | x           | }           | Ì            |             |              | l i          | 1                         |              |
| 191        | CPU time for registers   | !                | · 😧         |             | Į.           |             |              |              |                           |              |
| 192        | SS7 STP GLOBAL TITLE TRANSLATIONS  |                  | 1           |             | 1            |             |              | {            | 1                         |              |
| 193        | Build global title translations - service level (input into SEAS / NET PILOT)                                  |                  |             |             |              |             |              |              | '                         |              |
| 194        | SS7 STP MESSAGE TRANSFER PART  |                  |             | 1           | <b>.</b>     |             |              | 1            |                           |              |
| 195        | Build MTP point code to link set translations  |                  |             | 1           |              |             |              |              | 1                         |              |
| 196        | Insert translations to perform diagnostics and place in available and in-service state                         |                  | }           | 1           | l            |             | l            | 1            | ! !                       |              |
| 197        | Insert translations to place in an out-of-service and available state  |                  |             |             |              |             |              |              | 1 !                       |              |
| 198        | Fall Out Steps   | X                | X           | X           | X            | X           | Х            | X            | X                         | Х            |



| A Wire   Loop   DS Loop    |
|--|
| ID   Customer   Cust   |
| ID   Customer   Cust   |
| ID   Customer   Cust   |
| If the Company of t   |
| Start-Oxylets/Oxylets at NID   |
| 161   Perform continuity test (check dial tone and ANI)  |
| 162   Tear down setup / I work activity  |
| 163 DS3 FACILITIES (Loop and Transport) 164 Install card for DCS 165 Perform DSX3 cross connect 166 Install card for SONET MUX (high speed - OC48 to STS1 or DS3) 167 Install card for SONET MUX (high speed - OC48 to STS1 or DS3) 168 Electronic cross connect on DCS 169 Electronic disconnect on DCS 169 Electronic cross connect on SONET MUX 171 Electronic cross connect on SONET MUX 172 Perform remote PRSIS1 test 173 Perform ance monitoring testing 174 Retrieve and analyze performance monitoring data 175 Intrusive test (ITS) 176 CPU time for registers 177 DS1 Install card for SONET MUX (Ligh speed - OC48 to STS1 or DS3) 180 Install card for SONET MUX (Ligh speed - OC48 to STS1 or DS3) 181 Electronic cross connect on DCS 182 Electronic disconnect on DCS 183 Electronic disconnect on DCS 184 Electronic disconnect on low speed DS1 (low speed DS1) 185 Perform remote questing 187 Install CSU/DSU at STP 188 Retrieve and analyze performance monitoring data  |
| Install card for DCS   Perform DSX3 cross connect   X  |
| 165   Perform DSX3 cross connect   X   |
| Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Electronic cross connect on DCS  Electronic disconnect on DCS  Electronic cross connect on SONET MUX  Electronic cross connect on SONET MUX  Perform remote PRSB15 test  Retrieve and analyze performance monitoring data  Intrusive test (ITS)  CPU time for registers  Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Install plug in for low speed DS1 (low speed DS1)  Electronic cross connect on DCS  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plug in for low speed DS1 (low speed DS1)  Electronic disconnect on DCS  Install plu |
| Install card for SONET MUX (high speed - OC48 to STS1 or DS3)    Install card for SONET MUX (high speed - OC48 to STS1 or DS3)   Electronic cross connect on DCS   |
| 168   Electronic cross connect on DCS  |
| Electronic disconnect on DCS   |
| Electronic cross connect on SONET MUX    For the problem of PKSB15 test   X  |
| 171   Electronic cross connect on SONET MUX  |
| Perform remote PRSB15 test  The performance monitoring testing  Retrieve and analyze performance monitoring data  X X X X X X X X X X X X X X X X X X X  |
| Performance monitoring testing Retrieve and analyze performance monitoring data  X X X X X X X X X X X X X X X X X X X   |
| Intrusive test (ITS)  CPU time for registers  TOSI INTEROFFICE TRANSPORT  Install card for DCS  Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Install plug in for low speed DS1 (low speed STS1 to DS1)  Electronic cross connect on DCS  Electronic disconnect on low speed DS1 (low speed DS1)  Electronic disconnect on low speed DS1 (low speed DS1)  Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  Performance monitoring testing  Install CSU/DSU at STP  Retrieve and analyze performance monitoring data  |
| 176 CPU time for registers 177 DS1 INTEROFFICE TRANSPORT 178 Install card for DCS 179 Install card for SONET MUX (high speed - OC48 to STS1 or DS3) 180 Install plug in for low speed DS1 (low speed STS1 to DS1) 181 Electronic cross connect on DCS 182 Electronic disconnect on DCS 183 Electronic disconnect on low speed DS1 (low speed DS1) 184 Electronic disconnect on low speed DS1 (low speed DS1) 185 Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU 186 Performance monitoring testing 187 Install CSU/DSU at STP 188 Retrieve and analyze performance monitoring data   |
| 177 DS1 INTEROFFICE TRANSPORT 178 Install card for DCS 179 Install card for SONET MUX (high speed - OC48 to STS1 or DS3) 180 Install plug in for low speed DS1 (low speed STS1 to DS1) 181 Electronic cross connect on DCS 182 Electronic disconnect on DW speed DS1 (low speed DS1) 183 Electronic cross connect on low speed DS1 (low speed DS1) 184 Electronic disconnect on low speed DS1 (low speed DS1) 185 Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU 186 Performance monitoring testing 187 Install CSU/DSU at STP 188 Retrieve and analyze performance monitoring data  |
| Install card for DCS Install card for SONET MUX (high speed - OC48 to STS1 or DS3) Install plug in for low speed DS1 (low speed STS1 to DS1) ISI Electronic cross connect on DCS Electronic disconnect on DCS Electronic cross connect on low speed DS1 (low speed DS1) Electronic disconnect on low speed DS1 (low speed DS1) Electronic disconnect on low speed DS1) Electronic disconnect on low speed DS1 (low speed DS1) Electronic disconnect on low speed DS1 (low speed DS1) ISI Perform remote quasir random signaling source (QRSS) test via remote ITS - DTAU Electronic disconnect on low speed DS1 (low speed DS1) Electron |
| Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  Install plug in for low speed DS1 (low speed STS1 to DS1)  Electronic cross connect on DCS  Electronic disconnect on DCS  Electronic disconnect on low speed DS1 (low speed DS1)  Electronic disconnect on low speed DS1 (low speed DS1)  Electronic disconnect on low speed DS1 (low speed DS1)  Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  Performance monitoring testing  Install CSU/DSU at STP  Retrieve and analyze performance monitoring data  |
| Install plug in for low speed DS1 (low speed STS1 to DS1)  Electronic cross connect on DCS  Electronic disconnect on DCS  Electronic cross connect on low speed DS1 (low speed DS1)  Electronic disconnect on low speed DS1 (low speed DS1)  Electronic disconnect on low speed DS1 (low speed DS1)  Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  Performance monitoring testing  Install CSU/DSU at STP  Retrieve and analyze performance monitoring data  |
| 181 Electronic cross connect on DCS 182 Electronic disconnect on DCS 183 Electronic cross connect on low speed DS1 (low speed DS1) 184 Electronic disconnect on low speed DS1 (low speed DS1) 185 Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU 186 Performance monitoring testing 187 Install CSU/DSU at STP 188 Retrieve and analyze performance monitoring data  |
| Electronic disconnect on DCS  183 Electronic cross connect on low speed DS1 (low speed DS1)  184 Electronic disconnect on low speed DS1 (low speed DS1)  185 Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  186 Performance monitoring testing  187 Install CSU/DSU at STP  188 Retrieve and analyze performance monitoring data  |
| Electronic cross connect on low speed DS1 (low speed DS1)  Electronic disconnect on low speed DS1 (low speed DS1)  Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU  Performance monitoring testing  Install CSU/DSU at STP  Retrieve and analyze performance monitoring data  |
| 184 Electronic disconnect on low speed DS1 (low speed DS1) 185 Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU 186 Performance monitoring testing 187 Install CSU/DSU at STP 188 Retrieve and analyze performance monitoring data   |
| 185 Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU 186 Performance monitoring testing 187 Install CSU/DSU at STP 188 Retrieve and analyze performance monitoring data  |
| 186 Performance monitoring testing 187 Install CSU/DSU at STP 188 Retrieve and analyze performance monitoring data   |
| 187 Install CSU/DSU at STP 188 Retrieve and analyze performance monitoring data  |
| 188 Retrieve and analyze performance monitoring data   |
|  |
| 189 Perform SS7 test   |
| 190 Intrusive test (ITS)   |
| 191 CPU time for registers   |
| 192 SS7 STP GLOBAL TITLE TRANSLATIONS  |
| 193 Build global title translations - service level (input into SEAS / NET PILOT)  |
| 194 SS7 STP MESSAGE TRANSFER PART  |
| 195 Build MTP point code to link set translations  |
| 196 Insert translations to perform diagnostics and place in available and in-service state   |
| 197 Insert translations to place in an out-of-service and available state  |
| 198 Fall Out Steps   X   X   X   X   X   X   X   X   X   |

| 1_         | 2  | 53                                       | 54  | 55                                  | 56                                       | 57               | 58                        | 59                                     | 60                                    | 61                                 |
|------------|--|--|---|-------------------------------------|--|------------------|---------------------------|--|---------------------------------------|------------------------------------|
| ID<br>No.  | Process Flow / Activity  | Line Port (DS0, Analog, ISLU) Disconnect | Channelize<br>d DS1 line<br>port (TR-<br>303-IDT) | d DS1 line<br>port (TR-<br>303-IDT) | 40 Fiber Cross Connects Install Is (LGX) | Fiber Disconnect | SS7 Links<br>(DSO) instal | SSY/LIGIS<br>(BSO)<br>Disconnect       | <b>(</b><br>3-77≜jis.)<br>(0[533][i]: | (55)<br>(55)/(1)(1)<br>(55)/(1)(1) |
| 160        | Rear Orgen Stepise at NID  |  |   |                                     |  |                  |                           | ************************************** | 2.1                                   | Barreson - Kristin victoria        |
| 161        | Perform continuity test (check dial tone and ANI)                                      |  | l   |                                     |  | ļ                | ļ                         |  |                                       |                                    |
| 162        | Tear down setup / 1 work activity  |  | :   |                                     |  | 1                |                           | 1                                      |                                       |                                    |
| 163        | DS3 FACILITIES (Loop and Transport)  |  |   |                                     | -  |                  |                           |  | Ì                                     |                                    |
| 164        | Install card for DCS   |  | <u>l</u> '  | ļ                                   |  |                  | ,                         | 1                                      |                                       | i                                  |
| 165        | Perform DSX3 cross connect   |  | İ   |                                     |  | 1                | 1                         |  |                                       |                                    |
| 166        | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)                          |  |   | ŀ                                   |  |                  | İ                         |  |                                       |                                    |
| 167        | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)                          |  | ]   | <u> </u>                            |  | J                | }                         | j                                      |                                       |                                    |
| 168        | Electronic cross connect on DCS  |  |   | l                                   |  |                  |                           | İ                                      | 1                                     |                                    |
| 169        | Electronic disconnect on DCS   |  |   |                                     |  |                  | <u>.</u>                  | ł                                      |                                       |                                    |
| 170<br>171 | Electronic cross connect on SONET MUX Electronic cross connect on SONET MUX            |  | 1.  |                                     |  |                  |                           | i                                      |                                       |                                    |
| 172        | Perform remote PRSB15 test   |  | [ ]   | [                                   |  | [                | ĺ                         | [                                      | [ [                                   |                                    |
| 173        | Performance monitoring testing   |  |   |                                     |  |                  |                           | j                                      |                                       |                                    |
| 174        | Retrieve and analyze performance monitoring data                                       |  |   |                                     | -  |                  | <b>!</b>                  | 1                                      |                                       |                                    |
| 175        | Intrusive test (ITS)   |  | İ   |                                     |  | Ĭ                | ĺ                         | Í                                      | 1 1                                   |                                    |
| 176        | CPU time for registers   |  |   |                                     |  |                  |                           | 1                                      |                                       |                                    |
| 177        | DS1 INTEROFFICE TRANSPORT  |  |   |                                     | ı  |                  |                           |  |                                       |                                    |
| 178        | Install card for DCS   |  | 1   |                                     |  | 1                | ĺ                         | İ                                      | x                                     |                                    |
| 179        | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)                          |  | 1   |                                     |  | 1                |                           |  | x                                     |                                    |
| 180        | Install plug in for low speed DS1 (low speed STS1 to DS1)                              |  | ļ   |                                     |  |                  |                           |  | x                                     |                                    |
| 181        | Electronic cross connect on DCS  |  | l ·   | 1                                   |  | ł                | ł                         | ł                                      | X                                     |                                    |
| 182        | Electronic disconnect on DCS   |  |   |                                     |  | 1                |                           |  |                                       | X                                  |
| 183        | Electronic cross connect on low speed DS1 (low speed DS1)                              |  | <b>.</b>  |                                     |  |                  | 1                         |  | Х                                     |                                    |
| 184        | Electronic disconnect on low speed DS1 (low speed DS1)                                 |  | ł   |                                     |  | ł                | ł                         | ł                                      |                                       | X                                  |
| 185        | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU         |  | 1   |                                     |  | ļ                |                           | 1                                      | X                                     |                                    |
| 186        | Performance monitoring testing   |  | 1   |                                     |  | 1                | 1                         |  | X                                     |                                    |
| 187        | Install CSU/DSU at STP   | ļ.                                       |   |                                     |  | !                | i                         |  | X                                     |                                    |
| 188<br>189 | Retrieve and analyze performance monitoring data Perform SS7 test                      |  | 1   |                                     |  | 1                |                           |  | X<br>X                                |                                    |
| 190        | Intrusive test (ITS)   |  |   |                                     |  |                  | 1                         |  | x                                     |                                    |
| 191        | CPU time for registers   | '  |   |                                     |  |                  | ļ                         |  | Ŷ                                     | x                                  |
| 192        | SS7 STP GLOBAL TITLE TRANSLATIONS  |  | İ   |                                     |  | ł                | ľ                         |  | ^                                     | ^                                  |
| 193        | Build global title translations - service level (input into SEAS / NET PILOT)          |  | 1   | [                                   |  |                  |                           |  |                                       |                                    |
| 194        | SS7 STP MESSAGE TRANSFER PART  |  | }   | ,                                   |  |                  |                           |  | ] ]                                   |                                    |
| 195        | Build MTP point code to link set translations  |  |   |                                     |  |                  |                           |  |                                       |                                    |
| 196        | Insert translations to perform diagnostics and place in available and in-service state |  |   | 1                                   |  |                  | 1                         |  |                                       |                                    |
| 197        | Insert translations to place in an out-of-service and available state                  |  | }   | ] .                                 |  | ]                | J                         | J                                      | j j                                   |                                    |
| 198        | Fall Out Steps   | X  | ×   | x                                   |  | ĺ                | х                         | x                                      | x                                     | x                                  |
|            | <del>-</del>   |  |   | •                                   |  | •                | •                         |  | '                                     |                                    |



| 1         | 2  | 62   | 63   | 64   | 65   |
|-----------|--|--|--|--|--|
| ID<br>No. | Process Flow / Activity  | SS7 STP<br>global title<br>translations<br>'A Link' only | SS7 STP<br>global title<br>translations<br>A Link only | 48<br>SS7 STP<br>message<br>transfer part<br>'A Link' only | 49<br>SS7 STP<br>message<br>transfer part<br>'A Link' only<br>(port) |
|           | and the second of the second o | Install  | Disconnect   | (port) Install   | Disconnect   |
| 160       | Rear Onder oStepice at NID   |  |  |  |  |
| 161       | Perform continuity test (check dial tone and ANI)  |  | }  |  |  |
| 162       | Tear down setup / 1 work activity  |  |  |  |  |
| 163       | DS3 FACILITIES (Loop and Transport)  |  | į  |  |  |
| 164       | Install card for DCS   |  |  |  |  |
| 165       | Perform DSX3 cross connect   |  | !  |  |  |
| 166       | Install card for SONET MUX (high speed - OC48 to ST\$1 or D\$3)  |  |  |  |  |
| 167       | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  |  |  |  |  |
| 168       | Electronic cross connect on DCS  |  |  |  |  |
| 169       | Electronic disconnect on DCS   |  |  |  |  |
| 170       | Electronic cross connect on SONET MUX  |  | ĺ  |  |  |
| 171       | Electronic cross connect on SONET MUX  |  | ļ  |  |  |
| 172       | Perform remote PRSB15 test   | ·  | l  |  |  |
| 173       | Performance monitoring testing   |  |  |  |  |
| 174       | Retrieve and analyze performance monitoring data   |  | 1  |  |  |
| 175       | Intrusive test (ITS)   |  |  |  |  |
| 176       | CPU time for registers   |  | j  |  |  |
| 177       | DS1 INTEROFFICE TRANSPORT  | ,  |  |  |  |
| 178       | Install card for DCS   |  | ļ  |  | i  |
| 179       | Install card for SONET MUX (high speed - OC48 to STS1 or DS3)  |  |  |  |  |
| 180       | Install plug in for low speed DS1 (low speed STS1 to DS1)  |  | ļ  |  |  |
| 181       | Electronic cross connect on DCS  |  | ĺ  | !  |  |
| 182       | Electronic disconnect on DCS   |  |  |  |  |
| 183       | Electronic cross connect on low speed DS1 (low speed DS1)  | ·  |  |  |  |
| 184       | Electronic disconnect on low speed DS1 (low speed DS1)   | ,  |  |  |  |
| 185       | Perform remote quasi random signaling source (QRSS) test via remote ITS - DTAU   |  | }  |  |  |
| 186       | Performance monitoring testing   |  |  |  |  |
| 187       | Install CSU/DSU at STP   |  |  |  |  |
| 188       | Retrieve and analyze performance monitoring data   |  |  |  |  |
| 189       | Perform SS7 test   |  |  |  |  |
| 190       | Intrusive test (ITS)   |  | [ ·  |  |  |
| 191       | CPU time for registers   |  |  |  |  |
| 192       | SS7 STP GLOBAL TITLE TRANSLATIONS  |  |  |  |  |
| 193       | Build global title translations - service level (input into SEAS / NET PILOT)  | X  | x  |  | i  |
| 194       | SS7 STP MESSAGE TRANSFER PART  |  |  |  |  |
| 195       | Build MTP point code to link set translations  |  |  | X  | Х  |
| 196       | Insert translations to perform diagnostics and place in available and in-service state   |  |  | X  |  |
| 197       | Insert translations to place in an out-of-service and available state  |  |  |  | х  |
| 198       | Fall Out Steps   | X  | x  | X.   | x  |

| 1          | 2  | 15                                       | 16                                       | 17  | 18  | 19                       | 20                                | 21                                     | 22         | 23               |
|------------|--|--|--|-----|---|--------------------------|-----------------------------------|--|------------|------------------|
| ID<br>No.  | Process Flow / Activity  | POTS /<br>ISDN BRI<br>Migration<br>(TSR) | 2<br>POTS /<br>ISDN BRI<br>Install (TSR) |     | POTS /<br>ISDN BRI<br>Install (UNE<br>Platform) | Disconnect<br>(TSR / UNE | POTS / I<br>ISDN BRI<br>Migration | POTS/AISDN<br>BRITASIBIL<br>(UNE LOOP) | Disconnect | i≢ejue<br>Geige: |
| 199        | Fall Out: RMAs forwarded to PAWS for reconciliation                  | X  | . X                                      | Х   | X   | Х                        |                                   |  |            | X                |
| 200        | Fall Out: Pull and analyze order: RCMAC                              | X  | X  | X   | X   | X                        |                                   | 1                                      |            | X                |
| 201        | Fall Out: Resolve fallout: RCMAC                                     | X .                                      | X  | X   | Х   | X                        |                                   |  |            | X                |
| 202        | Fall Out: RMAs forwarded to PAWS for reconciliation                  |  | 1  |     |   |                          | X                                 | X                                      | X          |                  |
| 203        | Fall Out: Pull and analyze order: LAC                                | 1  | j  | j   |   |                          | X                                 | X                                      | X          |                  |
| 204        | Fall Out: Resolve fallout: LAC                                       |  |  |     |   |                          | X                                 | X                                      | x          | ·                |
| 205        | Fall Out: Pull and analyze order: CPC                                |  | •  |     |   |                          | ŀ                                 | 1                                      |            |                  |
| 206        | Fall Out: Resolve fallout: CPC                                       | ]  | J  | j   | ļ   | J                        | ]                                 | J                                      | j          |                  |
| 207        | Fall Out: Pull and analyze order: SCC Fall Out: Resolve fallout: SCC |  |  | i   |   |                          | 1                                 | İ                                      |            |                  |
| 208        |  | 1  |  | 1   |   |                          |                                   | l .                                    |            |                  |
| 209        | Close Order Steps  |  |  |     |   |                          | X                                 | X                                      | X          |                  |
| 210        | Close order: FCC:Copper%   |  |  |     |   |                          | X                                 | X                                      | X          |                  |
| 211        | Close order: FCC:Copper%*%_Non_Dedicated                             |  | X  |     | X   |                          |                                   |  |            |                  |
| 212        | Close order: FMAC Close order: SS &M/OSP                             | 1  |  |     |   | -                        |                                   | ļ                                      |            |                  |
| 213<br>214 | Close order: NTEC: Copper%   | ĺ  |  |     |   |                          | ĺ                                 |  | !          |                  |
| 215        | Close order: NTEC  |  |  |     |   |                          |                                   |  |            |                  |
| 216        | Close order: SSC   |  | ļ  |     |   |                          |                                   |  |            |                  |
| 217        | Close Order Provisioning Steps                                       | l x                                      | ×  | l x | x   | ×                        | x                                 | l x                                    | x          | x                |
| 218        | SOAC updates SOP   | x  | x  | x   | X   | x                        | x                                 | l x                                    | x          | Y                |
| 219        | SOAC updates WFA, NSDB, LMOS, BOSS, CRIS, etc.                       | l â                                      | l â                                      | Ιŝ  | l â   | â                        | l â                               | l â                                    | Î          | x                |
| 220        | SOAC updates WFA, NSDB, and CABS                                     | <b>}</b> ^                               | } ^                                      | l ^ |   | ^                        | 1 ^                               | 1 ^                                    | ^          | ^                |
| 221        | SOP completes LSR  | х.                                       | x  | x   | x   | x                        | x                                 | x                                      | x          | <b>X</b>         |
| 222        | ILEC gateway notifies CLEC of completed order                        | X  | X  | x   | X   | X                        | X                                 | X                                      | x          | X                |
| 223        | ILEC billing system issues final bill to migrating customer          | ×  | ł  | X   |   |                          | X                                 | 1                                      |            |                  |
| 224        | End of Process Steps   | ×  | ×  | X   | X   | ×                        | X                                 | x                                      | х          | X                |
| 225        | Last Line  | 1  | 1  | ļ.  |   |                          |                                   |  |            | •                |



| 10   | 1_            | 2   | 24                                | 25          | 26           | 27            | 28           | 29            | 30                       | 31           | 32          |
|--|---------------|---|-----------------------------------|-------------|--------------|---------------|--------------|---------------|--------------------------|--------------|-------------|
| No.   Process Flow Activity  | 1.45          |   | ; 10 · · ·                        | . 11        | 12           | 13            | 14           | 15            | 16                       | 41172        | 18          |
| No.   Process Flow Activity  |               |   | 124                               |             | 100          |               |              |               |                          |              | Channeliza  |
| No.   Process Flow Activity  |               |   | 1.11                              |             | 10 16 E      | 13111         |              |               |                          |              | # DS1       |
| PRINCIPATEM SAMPAWARDED to PAWS for reconciliation   Pall Out: Pull and analyze order: RCMAC   | 16.0 00 M. C. |   | A SECTION OF SECURITY OF SECURITY |             | 4 Wire       | 2 Wire        | 2 Wire       | 4 Wire 1      | 4Wire                    | 2 Wire       | Viliaal) .  |
| PRINCIPATEM SAMPAWARDED to PAWS for reconciliation   Pall Out: Pull and analyze order: RCMAC   | No.           | Process Flow / Activity   |                                   |             | Disconnect   | Migration at  | Disconnect   | Migration at  | Disconnect               | Migration at | Feeteno     |
| Pail Out: Resolve failout: RCMAC   Pail Out: Resolve failout: RCMAC   Pail Out: Resolve failout: RCMAC   X   | 100           | Petr Order Statement and to DAWS for reconciliation   | (ONE ECOP)                        | *(ONE COOP) | S (OIL LOOP) | MADIO L. DIS. | Vaccine i on | Margin Mental | Economics (Constitution) | eg-nession   | 1383 953492 |
| Pail Out: Resolve failout: RCMAC   X   |               |   | ļ                                 | j           | j            | j             |              | }             | J                        |              |             |
| Fall Out: RMAs forwarded to PAWS for reconciliation  |               |   |                                   |             |              |               |              |               |                          |              |             |
| Fall Out: Pull and analyze order: LAC  |               |   |                                   |             |              | l x           | ×            | ł             |                          | ļ            | 1           |
| Fall Out: Resolve fallout: LAC   |               |   |                                   |             |              |               |              | ŀ             |                          | 1            |             |
| The property of the policy o |               |   |                                   |             |              | 1             |              |               |                          |              |             |
| The property of the policy o | 205           | Fall Out: Pull and analyze order: CPC   | l x                               | x           | x            |               |              | x             | х                        |              | l x         |
| 208 Fall Out: Resolve fallout: SCC 209 Close Order Steps 210 Close order: FCC:Copper%* 211 Close order: FCC:Copper%* Non_Dedicated 212 Close order: FMAC 213 Close order: SS l&M/OSP 214 Close order: NTEC: Copper%* 215 Close order: NTEC 216 Close order: SSC 217 Close Order Provisioning Steps 218 SOAC updates SOP 219 SOAC updates WFA, NSDB, LMOS, BOSS, CRIS, etc. 220 SOAC updates WFA, NSDB, and CABS 221 SOP completes LSR 222 ILEC gateway notifies CLEC of completed order   X X X X X X X X X X X X X X X X X X  | 206           | ·   | X                                 | i x         |              |               |              | ×             | l x                      | <b>.</b>     | l x         |
| Close Order Steps  | 207           | Fall Out: Pull and analyze order: SCC   |                                   |             | 1            | ĺ             |              | ĺ             | ĺ                        | 1            | (           |
| 210   Close order: FCC:Copper%*   211   Close order: FCC:Copper%*   Non_Dedicated   212   Close order: FMAC   X  | 208           | Fall Out: Resolve fallout: SCC  | l                                 |             |              |               |              |               | ł                        | 1            | i           |
| Close order: FCC:Copper%*%_Non_Dedicated   | 209           | Close Order Steps   |                                   |             |              |               |              |               | İ                        |              | l x         |
| Close order: FCC:Copper%*%_Non_Dedicated   | 210           | Close order: FCC:Copper%  |                                   |             | İ            |               |              | Į.            | 1                        |              |             |
| 212   Close order: FMAC  | 211           |   |                                   |             |              |               |              |               |                          |              |             |
| 214   Close order: NTEC: Copper%   | 212           |   |                                   |             |              |               |              |               |                          |              | x           |
| 215   Close order: NTEC  | 213           |   | l                                 |             |              | X             | Х            | X             | X                        | X            | ĺ           |
| 216   Close order: SSC   | 214           |   | X                                 | X           | X            |               |              |               |                          | l            |             |
| 217   Close Order Provisioning Steps   |               |   |                                   |             |              | 1             |              |               |                          |              |             |
| 218   SOAC updates SOP   |               |   | 1                                 |             | l .          |               |              |               | 1                        |              |             |
| 219   SOAC updates WFA, NSDB, LMOS, BOSS, CRIS, etc.   X   X   X   X   X   X   X   X   X   | 217           | -   |                                   |             | ı            | X             |              | i             |                          |              | X           |
| 220       SOAC updates WFA, NSDB, and CABS         221       SOP completes LSR         222       ILEC gateway notifies CLEC of completed order         X       X         X   | 218           |   | †                                 |             |              |               |              |               |                          |              |             |
| 221         SOP completes LSR           222         ILEC gateway notifies CLEC of completed order           X         X<   |               |   | X                                 | X           | ) X          | ) X           | X            | ) ×           | ļ X                      | X            | l x         |
| 222 ILEC gateway notifies CLEC of completed order X X X X X X X X X X X X X X X X X X X  |               | •   |                                   | .,          |              |               |              |               |                          |              | <u>.</u>    |
|  |               |   | B .                               |             |              |               | ì            | 1             | 1                        |              |             |
| 222 II EC hilling system issues final hill to migrating systemes   | 222<br>223    | ILEC gateway notifies CLEC of completed order ILEC billing system issues final bill to migrating customer | X                                 | X           | X            | X             | X            | X             | l ×                      | X            | X           |
|  |               |   | 4                                 | ٠ ٠         | •            | 1             | v            | L .           | ٧ .                      |              |             |
| 224 End of Process Steps X X X X X X X X X X X X X X X X X X X   |               |   | 1 ^                               | 1 ^         | ^            | ^             | ^            | 1 ^           | 1 ^                      | 1 ^          | 1 ^ ,       |

Attachment C



| 1_        | 2   | 33  | 34                                | 35                              | 36                                    | 37                              | 38               | 39                                    | 40            | 41                                      |
|-----------|---|---|-----------------------------------|---------------------------------|---------------------------------------|---------------------------------|------------------|---------------------------------------|---------------|---|
| ID<br>No. | Process Flow / Activity                                     | 19 Channelize d DS1 Virtual Feeder to RT Disconnect | DS1 Interoffice Transport Install | DS1<br>Interoffice<br>Transport | 22<br>DS3<br>Interoffice<br>Transport | DS3<br>Interoffice<br>Transport | Loop.            | 25 24Wird<br>(Locio)<br>different (CO |               | 272<br>4 Wires<br>Leopo<br>dineren (Co) |
| 199       | Paramatapswarded to PAWS for reconciliation                 | Discornicos   | ( instances                       | Jioooniioo                      | , mount                               | - Diocolilicot                  | * tringi autores | ica di patantaga                      | I CIONALIO CA | i di si cinca                           |
| 200       | Fall Out: Pull and analyze order: RCMAC                     |   |                                   |                                 |                                       |                                 |                  |                                       |               |   |
| 201       | Fall Out: Resolve fallout: RCMAC                            |   |                                   |                                 |                                       |                                 | ł                | 1                                     |               |   |
| 202       | Fall Out: RMAs forwarded to PAWS for reconciliation         |   |                                   | ĺ                               |                                       |                                 |                  | [                                     | 1             |   |
| 203       | Fall Out: Pull and analyze order: LAC                       |   |                                   |                                 |                                       |                                 | 1                |                                       |               |   |
| 204       | Fall Out: Resolve fallout: LAC                              |   |                                   | ļ                               |                                       |                                 |                  |                                       | ì             |   |
| 205       | Fall Out: Pull and analyze order: CPC                       | X   | x                                 | x                               | x                                     | x                               | x                | x                                     | х             | x                                       |
| 206       | Fall Out: Resolve fallout: CPC                              | x   | ×                                 | X                               | x                                     | x                               | x                | ×                                     | ×             | x                                       |
| 207       | Fall Out: Pull and analyze order: SCC                       | . '   |                                   |                                 |                                       |                                 |                  | l                                     | [             |   |
| 208       | Fall Out: Resolve fallout: SCC                              |   | ·                                 |                                 |                                       |                                 | ŀ                |                                       |               |   |
| 209       | Close Order Steps   |   | x                                 | 1                               | x                                     |                                 |                  | ļ                                     | x             |   |
| 210       | Close order: FCC:Copper%                                    |   |                                   |                                 | İ                                     |                                 | 1                |                                       |               |   |
| 211       | Close order: FCC:Copper%*% Non_Dedicated                    |   |                                   |                                 |                                       | -                               |                  |                                       |               |   |
| 212       | Close order: FMAC   | X   | x                                 |                                 | x                                     |                                 |                  | 1                                     |               |   |
| 213       | Close order: SS I&M/OSP                                     |   |                                   |                                 |                                       |                                 | İ                | j                                     |               |   |
| 214       | Close order: NTEC: Copper%                                  |   |                                   | ļ                               |                                       |                                 | X                | ) ×                                   | ) x           | X                                       |
| 215       | Close order: NTEC   |   | *                                 |                                 |                                       |                                 |                  |                                       |               |   |
| 216       | Close order: S\$C   |   |                                   |                                 |                                       |                                 | X                | X                                     | X             | X                                       |
| 217       | Close Order Provisioning Steps                              | Х   | , X                               | X                               | X                                     | Х                               | X                | X                                     | / X           | X                                       |
| 218       | SOAC updates SOP  | X   | · X                               | X                               | х                                     | Х                               | X                | X                                     | X             | X                                       |
| 219       | SOAC updates WFA, NSDB, LMOS, BOSS, CRIS, etc.              | Х   |                                   | }                               |                                       |                                 | j X              | X                                     | j x           | X                                       |
| 220       | SOAC updates WFA, NSDB, and CABS                            |   | X                                 | X                               | X                                     | X                               |                  | 1                                     |               |   |
| 221       | SOP completes LSR   | X ·   | X                                 | X                               | X                                     | X                               | X                | j x                                   | X             | X                                       |
| 222       | ILEC gateway notifies CLEC of completed order               | X   | X                                 | X                               | x                                     | X                               | X                | X                                     | X             | X                                       |
| 223       | ILEC billing system issues final bill to migrating customer |   |                                   | l                               |                                       |                                 | X                |                                       |               | X                                       |
| 224       | End of Process Steps  | Х   | Х                                 | X                               | X                                     | Х                               | х                | X                                     | X             | X                                       |
| 225       | Last Line   | .   |                                   |                                 |                                       |                                 |                  | l                                     | [             |   |



| 1_   | _ 2  | 42           | 43           | 44                            | 45          | 48         | 49        | 50              | 51         | 52            |
|------|--|--------------|--------------|-------------------------------|-------------|------------|-----------|-----------------|------------|---------------|
| 329  | The state of the s | . 28         | 29           | 30                            | 31          | 32         | 4 : 33    | + 5341/43       | 35.74      | 36 36         |
|      | 型点型企业的1000年  |              |              |                               | 100         |            |           |                 |            |               |
| 1.00 |  | 4 Wire       | 4 Wire       | DS1 Loop                      | DS1 Loop    | DS1 Loop   | DS3 Loop  | DS3 Loop        | psalloon.  | Line Port     |
| מו [ |  | Loop,        | Loop,        |                               | to Customer |            |           |                 |            | DS0           |
| No.  | Process Flow / Activity  | different CO | different CO | Premise                       | Premise     | Premise    | Premise   | 2Premise t      | Premise E  | Alacos        |
| 44   |  | Install 🐣    | Disconnect   | <ul> <li>Migration</li> </ul> | Install 🧳   | Disconnect | Migration | (C) Install The | Disconnect | ISEU) (natair |
| 199  | Pster Graem Steps warded to PAWS for reconciliation  | l .          |              |                               |             |            |           |                 |            | X             |
| 200  | Fall Out: Pull and analyze order: RCMAC  | {            | ĺ            |                               | [           |            | 1         | [               | [          | X             |
| 201  | Fall Out: Resolve fallout; RCMAC   | ļ            |              |                               | 1           | ]          |           | )               | )          | X             |
| 202  | Fall Out: RMAs forwarded to PAWS for reconciliation  |              |              | 1                             |             |            |           |                 |            |               |
| 203  | Fall Out: Pull and analyze order: LAC  |              | 1            |                               | ł           |            | l         | 1               | }          | ř             |
| 204  | Fall Out: Resolve fallout: LAC   |              |              |                               | 1           |            | İ         |                 |            |               |
| 205  | Fall Out: Pull and analyze order: CPC  | X            | X            | X                             | X           | X          | X         | X               | X          | ſ             |
| 206  | Fall Out: Resolve fallout: CPC   | X            | X            | X                             | X           | X          | X         | X               | X          |               |
| 207  | Fall Out: Pull and analyze order: SCC  |              | l            |                               | Ì           |            |           | ì               | ,          | 1             |
| 208  | Fall Out: Resolve fallout: SCC   |              | {            | ľ                             | i           |            |           | 1               | İ          | Ì             |
| 209  | Close Order Steps  | X            | j x          | X                             | X           | X          | X         | X               | ) x        | } x           |
| 210  | Close order: FCC:Copper%   |              |              |                               |             |            | l         | İ               |            | l x           |
| 211  | Close order: FCC:Copper%*%_Non_Dedicated   |              | ł            |                               | 1           |            |           |                 |            |               |
| 212  | Close order: FMAC  |              |              | x                             | X           | ×          | l x       | l x             | l x        |               |
| 213  | Close order: SS I&M/OSP  |              | (            |                               | (           | ĺ          | 1         | [               | 1          | [             |
| 214  | Close order: NTEC: Copper%   | X            | X            |                               |             |            | ļ         | ļ               | l          | }             |
| 215  | Close order: NTEC  |              |              |                               |             |            | Ì         | ì               | 1          |               |
| 216  | Close order: SSC   | X            | X            | X                             | X           | X          | X         | X               | X          | Ì             |
| 217  | Close Order Provisioning Steps   | х            | Х            | x                             | X           | X          | j x       | X               | X          | X             |
| 218  | SOAC updates SOP   | X            | x            | x                             | х           | x          | x         | X               | х          | l x           |
| 219  | SOAC updates WFA, NSDB, LMOS, BOSS, CRIS, etc.   | x            | ·x           | x                             | X           | x          | l x       | l x             | l x        | l x           |
| 220  | SOAC updates WFA, NSDB, and CABS   |              |              | 1                             |             |            |           |                 |            |               |
| 221  | SOP completes LSR  | X            | X            | x                             | X           | x          | x         | l x             | х          | l x           |
| 222  | ILEC gateway notifies CLEC of completed order  | x            | x            | x                             | X           | ×          | X         | X               | X          | X             |
| 223  | ILEC billing system issues final bill to migrating customer  |              |              | ×                             | l           |            | ×         | 1               | 1          | ļ             |
| 224  | End of Process Steps   | Х            | Х            | х                             | X           | X          | X         | X               | X          | X             |
| 225  | Last Line  |              |              |                               | ]           | j          |           |                 | )          | ļ             |

| . 1       | 2   | 53                        | 54                                  | 55                      | 56  | 57               | 58                             | 59                           | 60   | 61   |
|-----------|---|---------------------------|-------------------------------------|-------------------------|---|------------------|--------------------------------|------------------------------|--|--|
| ID<br>No. | Process Flow / Activity                                     | (DS0,<br>Analog,<br>ISLU) | d DS1 line<br>port (TR-<br>303-IDT) | d DS1 line<br>port (TR+ | Fiber Cross<br>Connects<br>Install A<br>(LGX) | Fiber Disconnect | 42<br>SS7 Lnd<br>(DS0) (Astall | ESMĒNA<br>(PSO)<br>Discontra | 337 (U) (O) (U) (U) (U) (U) (U) (U) (U) (U) (U) (U | .(55<br>  SSY/Bij](1)<br>  (1851)<br>  D.Coon(Cot) |
| 199       | PARCOLAR Steps warded to PAWS for reconciliation            | Х                         |                                     |                         |   |                  |                                |                              |  |  |
| 200       | Fall Out: Pull and analyze order: RCMAC                     | X                         | · ·                                 |                         |   |                  |                                |                              |  | 1  |
| 201       | Fall Out: Resolve fallout: RCMAC                            | X                         |                                     |                         |   |                  |                                |                              | <u> </u>   | 1  |
| 202       | Fall Out: RMAs forwarded to PAWS for reconciliation         |                           | 1.                                  | i ·                     | 1   | i                |                                | 1                            | ì  | 1  |
| 203       | Fall Out: Pull and analyze order: LAC                       |                           |                                     | 1                       |   | <u> </u>         |                                |                              | [  |  |
| 204       | Fall Out: Resolve fallout: LAC                              |                           | Ì                                   |                         | ł.  |                  |                                |                              | }  | ł  |
| 205       | Fall Out: Pull and analyze order: CPC                       |                           | X                                   | X                       |   | 1                | X                              | ×                            | ×  | X  |
| 206       | Fall Out: Resolve fallout: CPC                              |                           | X                                   | X                       |   | 1                | X                              | X                            | ×  | X  |
| 207       | Fall Out: Pull and analyze order: SCC                       |                           | 1                                   | ľ                       | 1   |                  |                                | l                            | i  | 1  |
| 208       | Fall Out: Resolve fallout: SCC                              |                           |                                     |                         |   | ļ                |                                | ļ                            |  |  |
| 209       | Close Order Steps   | X                         | j x                                 | j x                     | ) x   | ) X              | X                              | X                            | j x  | X  |
| 210       | Close order: FCC:Copper%                                    | x                         |                                     |                         |   |                  |                                |                              |  | ĺ  |
| 211       | Close order: FCC:Copper%*%_Non_Dedicated                    |                           |                                     | İ                       |   |                  |                                |                              |  |  |
| 212       | Close order: FMAC   |                           | X                                   | X                       | X   | X                |                                | ļ                            | X  | X  |
| 213       | Close order: SS 1&M/OSP                                     |                           |                                     |                         |   |                  |                                |                              |  |  |
| 214       | Close order: NTEC: Copper%                                  | ļ                         |                                     |                         |   | 1                | X                              | X                            |  | 1  |
| 215       | Close order: NTEC   | ĺ                         | 1                                   | í                       | İ   | İ                |                                | 1                            | İ  | ĺ  |
| 216       | Close order: SSC  |                           | į                                   |                         |   |                  | X                              | X                            | İ  | İ  |
| 217       | Close Order Provisioning Steps                              | X                         | ) X                                 | X                       | X   | X                | X                              | ) X                          | X  | X  |
| 218       | SOAC updates SOP  | X                         | X                                   | X                       | X   | X                | X                              | x                            | X  | X  |
| 219       | SOAC updates WFA, NSDB, LMOS, BOSS, CRIS, etc.              | X                         | ]. X                                | X                       | X   | X                | . x                            | X                            | İ  |  |
| 220       | SOAC updates WFA, NSDB, and CABS                            |                           |                                     | i                       | ì   |                  |                                |                              | X  | X  |
| 221       | SOP completes LSR   | ×                         | X                                   | X                       | X   | ×                | X                              | X                            | X  | X  |
| 222       | ILEC gateway notifies CLEC of completed order               | ×                         | X                                   | ) x                     | X   | ) x              | X                              | X                            | х  | ) X  |
| 223       | ILEC billing system issues final bill to migrating customer |                           |                                     | 1                       |   |                  |                                |                              | l  |  |
| 224       | End of Process Steps  | . х                       | X                                   | X                       | X   | X                | X                              | X                            | X  | X  |
| 225       | Last Line   | 1                         |                                     | 1                       | í ·   | ſ                | Ī                              | ĺ                            | ĺ  | 1  |

| 1         | 2   | 62  | 63  | 64          | 65   |
|-----------|---|---|---|-------------|--|
| ID<br>No. | Process Flow / Activity                                     | 46<br>SS7 STP<br>global title<br>translations<br>'A Link' only<br>install | SS7 STP<br>global title<br>translations<br>'A' Link' only<br>Disconnect | A Link only | 49<br>SS7 STP I<br>message<br>transfer part<br>A Link only<br>(port)<br>Disconnect |
| 199       | PARCOLARIA SEPON WARDED TO PAWS for reconciliation          |   |   |             |  |
| 200       | Fall Out: Pull and analyze order: RCMAC                     |   |   |             |  |
|           | Fall Out: Resolve fallout: RCMAC                            |   |   |             | İ  |
|           | Fall Out: RMAs forwarded to PAWS for reconciliation         |   |   |             | İ  |
|           | Fall Out: Pull and analyze order: LAC                       |   |   |             |  |
|           | Fall Out: Resolve fallout: LAC                              |   |   |             |  |
|           | Fall Out: Pull and analyze order: CPC                       |   |   |             |  |
|           | Fall Out: Resolve fallout: CPC                              |   |   |             |  |
|           | Fall Out: Pull and analyze order: SCC                       | X   | X   | ) X         | j x  |
|           | Fall Out: Resolve fallout: SCC                              | X   | X   | X           | X  |
| 209       | Close Order Steps   | X   | X   | ) X         | X  |
| 210       | Close order: FCC:Copper%                                    |   |   | i           |  |
|           | Close order: FCC:Copper%*%_Non_Dedicated                    |   |   |             |  |
|           | Close order: FMAC   |   |   |             | ļ  |
|           | Close order: SS I&M/OSP                                     |   |   |             | l  |
|           | Close order: NTEC: Copper%                                  |   |   |             |  |
|           | Close order: NTEC   |   |   |             |  |
|           | Close order: SSC  | X   | Х   | X           | X  |
| 217       | Close Order Provisioning Steps                              |   |   | l           |  |
| 218       | SOAC updates SOP  | •   |   |             |  |
| 219       | SOAC updates WFA, NSDB, LMOS, BOSS, CRIS, etc.              |   |   | l           | İ  |
| 220       | SOAC updates WFA, NSDB, and CABS                            |   |   | Ì           |  |
| 221       | SOP completes LSR   | ı   |   |             |  |
|           | ILEC gateway notifies CLEC of completed order               |   |   |             |  |
|           | ILEC billing system issues final bill to migrating customer |   |   | l           |  |
| 224       | End of Process Steps  | X   | Х   | Х           | X  |
| 225       | Last Line   |   |   |             |  |



# NON-RECURRING COST MODEL

Version 2.2

**USER GUIDE** 

#### 1. General Introduction

The Non-Recurring Cost Model sponsored by AT&T and MCI is a spreadsheet based costing tool that calculates the forward-looking cost of customer connection, disconnection, and change of service. The model also calculates the costs of additional activities related to interconnection, unbundling, and wholesale service. This User Guide is provided to help the user step through the NRC Model. Additional detail is provided in the Model Description document.

To enhance the cost model's functionality and to facilitate ease-of-use, the model utilizes advanced features of **Microsoft Excel 7.0**; these features include visual basic for applications (VBA) macros and dialog boxes. The macros are routines that serve to automate repetitive processes and to simplify operations and calculations. The dialog boxes allow users to quickly and accurately choose NRC scenarios and to alter the numerous user-adjustable variables via drop-down boxes, check boxes, buttons, and spinners.

The model is composed of 19 unique sheets, including: nine standard Excel worksheets, five VBA module sheets, and five dialog sheets. The following sheets are visible at model start-up:

- Control buttons to run and navigate the model and to present summary results
- Processes & Calcs process steps, calculations, and inputs for the intersection of NRC type and required process
- Inputs presents NRC elements and inputs from dialog box interfaces
- Batch Output detailed outputs and costs for each NRC element
- Input Record detailed record of the selected inputs compared to the default inputs
- Glossary presents telephony acronyms, technical terminology, and descriptions

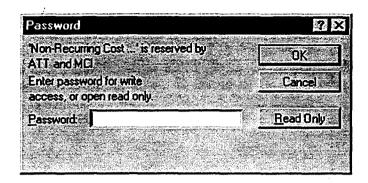
The following sheets are hidden at model start-up:

- dlg NRC model first dialog box
- dlg Customize Batch second dialog box
- dlg Labor Rates third dialog box
- *dlg Other NRC* fourth dialog box
- *dlg Instruction* NRC Model user instructions
- Print Macro Button sheet containing the button used for printing the Batch Output on a newly created workbook
- Batch PO Staging a staging sheet used for printing Batch Output
- Batch Summary Tempy Sheet a staging sheet used for printing Batch Output
- Source Code visual basic for applications code
- Copy Input Value Code visual basic for applications code
- Save Option Code visual basic for applications code
- Print File Batch Run Code visual basic for applications code
- Other Inputs Code visual basic for applications code

The hidden sheets can only be seen directly by going to the toolbar and using the **Format** - **Sheet** - **Unhide** command. These sheets are hidden because model users do not need to access these sheets to run the model.

# 2. Opening the Model

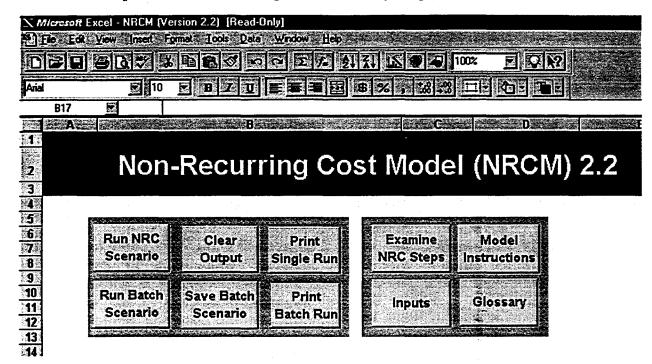
When the user opens the model they will see the following Password protection message.



The model user must open the model by clicking the 'Read Only' option. The user will be able to do everything they need to do with the model with the 'Read Only' option. This protection ensures that the user will not inadvertently change the coding in the model. Once opened as 'Read Only' the file may be saved with a different file name.

#### 3. "Control" Sheet

When the user opens the Non-Recurring Cost Model they are presented with a "Control" sheet.



The "Control" sheet presents eight buttons to run and navigate the Non-Recurring Cost Model.

On the left side of the sheet there are six buttons for running the model, printing output, clearing output, and saving data. The following is a description of the functionality provided by each button:

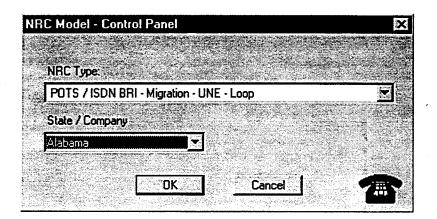
- Run NRC Scenario used to calculate the cost of a single NRC element
- Run Batch Scenario used to calculate the costs of all the NRC elements
- Clear Output used to clear the output from the latest 'NRC Scenario' or 'Batch Scenario'
- Save Batch Scenario used to save the summary data, the inputs, and the output detail for a 'Batch Scenario' to a separate Excel workbook
- Print Single Run used to print the summary data and the inputs from a 'NRC Scenario'
- Print Batch Run used to print the summary data, the inputs, and the output detail for a 'Batch Scenario'

On the right side of the "Control" sheet there are four additional buttons. The buttons provide the following additional functionality:

- Examine NRC Steps goes to the "Processes & Calcs" sheet where the specific steps costed for a particular NRC element or the complete table of processing steps may be viewed
- Model Instructions used to call up a simple help tool
- Inputs used to quickly go to the "Input" sheet
- Glossary used to examine a list of telephony terms and acronyms by going to the "Glossary" worksheet

# 4. Dialog Boxes

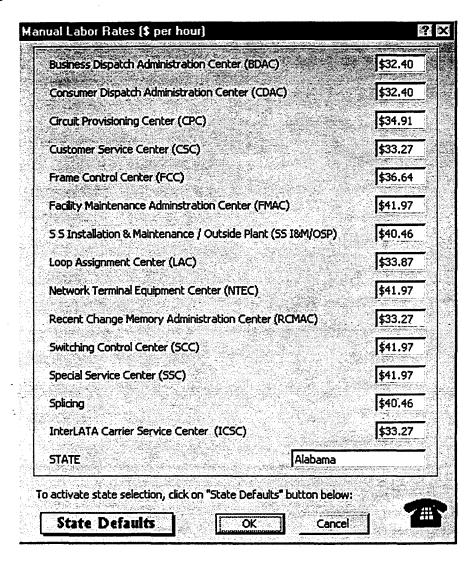
The first dialog box, titled "NRC Model - Control Panel", allows the user to choose the type of non-recurring charge and the state. For Batch Runs, the NRC Type drop down box is not used because all the NRC Elements are included in a Batch Run.



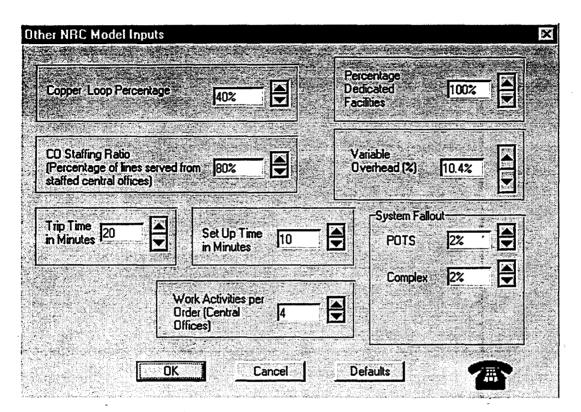
The second dialog box, titled "Customize Batch Run" allows the user to exclude certain elements from the batch run. The user can exclude elements by checking the boxes that correspond to the element. If the user does not wish to exclude any elements, they should ensure that none of the check boxes are selected and then click the OK button to continue.

| A standard Batch Run includes all 49 NRC types. E<br>the Batch Run.           | xclude NRC types by selecting the NRC type's check i | oox. Any NRC types selected will be excluded from                 |  |  |  |  |
|---|--|---|--|--|--|--|
| 1: POTS/ISON BRI Migration (TSR)  | 21: D51 Interoffice Transport Disconnect             | ☐41: Fiber Disconnect   |  |  |  |  |
| 2: POTS/ISON BRI Install (TSR)  | 22: DS3 Interoffice Transport Install                | ☐ 42: S57 Links (DS0) Instal                                      |  |  |  |  |
| 7 3: POTS/ISDN Migration (UNE P)  | 23: DS3 Interoffice Transport Disconnect             | ☐ 43: 557 Links (DSI) Disconnect<br>☐ 44: 557 Links (DSI) Install |  |  |  |  |
| ☐ 4: POTS/ISDN BRI Install (UNE P)  T S: POTS/ISDN BRI Disconnect (TSR/UNE P) | 24: 2 Wire Loop, different Co Migration              |   |  |  |  |  |
|   | ☐ 25: 2 Wire Loop, different Co Install              |   |  |  |  |  |
| 6: POTS/ISON BRI Migration (UNE 1)  | ☐ 26: 2 Wire Loop, different Co Disconnect           | 45: S57 Links (DS1) Disconnect                                    |  |  |  |  |
| 7: POTS/ISON BRI Install (UNEL)   | ☐ 27: 4 Wire Loop, different Co Migration            | 46: SS7 STP GTT 'A Link' only Install                             |  |  |  |  |
| ☐ 8: POTS/ISDN BRI Discnet (UNE L)  | 28; 4 Wire Loop, different Co Install                | 47: SS7 STP GTT 'A Link' only Disconnect                          |  |  |  |  |
| 9: Feature Changes  | 29: 4 Wire Loop, different Co Disconnect             | 48: SS7 STP MTP 'A Link' only (port) Install                      |  |  |  |  |
| T 10:4 Wire Migration (UNE L)   | ☐ 30: DS1 Loop to CP Migration                       | 1 49: S57 STP MTP 'A Link' only (port) Disconnect                 |  |  |  |  |
| T 11: 4 Wire Install (UNE L)  | ☐ 31: D51 Loop to CP Instell                         |   |  |  |  |  |
| ☐ 12: 4 Wire Disconnect (UNE L)   | ☐ 32: DS1 Loop to CP Disconnect                      |   |  |  |  |  |
| ☐ 13: 2 Wire Migration at FDI   | ☐ 33: DS3 Loop to CP Migration                       |   |  |  |  |  |
| 14: 2 Wire Disconnect at FDI  | ☐ 34: DS3 Loop to CP Install                         | <b>.</b>  |  |  |  |  |
| ☐ 15:4 Wire Migration at FDI  | ☐ 35: DS3 Loop to CP Disconnect                      |   |  |  |  |  |
| 16: 4 Wire Disconnect at FDI  | ☐ 36: Line Port (DS0) Install                        |   |  |  |  |  |
| ☐ 17: 2 Wire Migration at 6 Line NID  | 37: Line Port (DS0) Disconnect                       |   |  |  |  |  |
| ☐ 18: Channalized DS1 Virtual Feeder to RT Insta                              |  |   |  |  |  |  |
| 19: Channalized DS1 Virt. Fdr to RT Disconnect                                | <u> </u>   |   |  |  |  |  |
| ☐ 20: DS1 Interoffice Transport Install                                       | ☐ 40: Fiber Cross Connect Install                    |   |  |  |  |  |
|   |  |   |  |  |  |  |

The third dialog box, titled "Manual Labor Rates (\$ per hour)" allows the user to set individual labor rates for 14 technician types. The lower edit box on this dialog box shows the state whose labor rates appear in the other edit boxes. When initially running the model for a state, the user must select the State Defaults button. The model will populate the edit boxes with the labor rates for the state. The user must then choose the OK button to continue to the next dialog sheet. If the lower edit box displays the correct name of the state chosen for a model run, the user can immediately click the OK button to continue to the next dialog box.



The fourth and final dialog box, titled "Other NRC Model Inputs", allows the user to adjust nine categories of inputs; these categories include: the copper loop percentage, CO staffing ratio, trip time, setup times, work activities per order, variable overhead percentage, percentage dedicated facilities, and system fallout percentages for POTS and complex actions. The user can select the model's defaults by selecting the Defaults button. When the user is satisfied with the inputs click the OK button to continue.



#### 5. Running the Model

To run the Non-Recurring Cost Model the user must first choose "Run NRC Scenario" or "Run Batch Scenario" from the "Control Sheet". After choosing one of these options, the user will be presented, in succession, with the four dialog boxes noted above. The user has the option to run the model with the default inputs or to adjust them.

When the user chooses "Run NRC Scenario", the user will be presented with a summary output on the "Control" sheet; showing NRC element and cost. If the user wishes to see further detail they should use the "Examine NRC Steps" button. This button will take the user to the "Processes & Calcs" sheet. This sheet will be "filtered" for those activities required for the chosen NRC element. The user can go to the "Inputs Record" sheet to examine which of the inputs were used to create the current outputs.

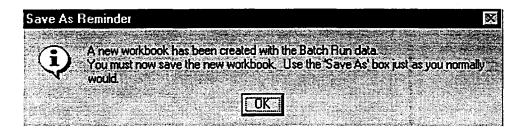
When the user chooses the "Run Batch Scenario" the model will produce a comprehensive summary list of NRC types and costs on the "Control Sheet". To examine all the required steps for each NRC element, the user should go to the "Batch Output" sheet. This sheet records all the steps required for each of the NRC types. Finally, the model also produces a list of the inputs used to create the "Batch Output" in the "Input Record".

#### **Important Note**

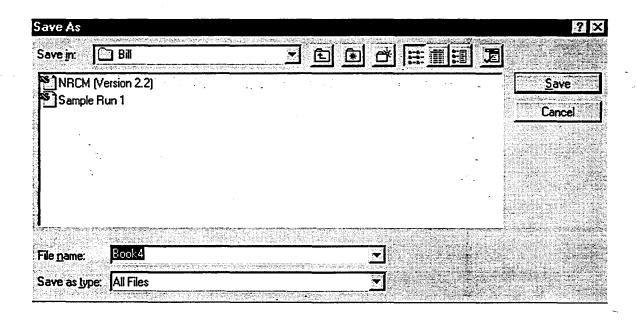
If the user runs another Scenario or Batch Run, the model will overwrite the contents of the "Control", "Batch Output", and "Input Record" sheets. If the user requires a permanent record of a Batch Run, they should use the save option outlined in section 6, page 11 of this users guide.

## 6. "Saving Batch Scenario" Data

By selecting the "Save Batch Scenario" button the model will save all the data relevant to a Batch Run in a separate Excel workbook. The workbook will include 4 sheets entitled: "Print Macro Button", "Summary", "Batch Output", and "Input Record". These sheets will contain the same data that resides in the sheets "Control", "Batch Output", and "Input Record" respectively. The model will prompt the user to save the new workbook.

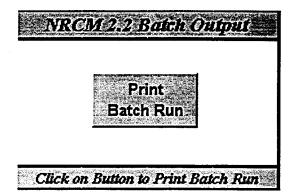


In addition, the user will be prompted to name and choose the directory for the newly created workbook with the following message screen:



The user should use this screen just as they normally would. When the user has named the workbook, the model will remind the user that the data has been saved in a new workbook, the new workbook is still open and return the user to the "Control" screen.

Note: When the user chooses to return to the new workbook, the following "Print Batch Run" button will appear. Once the "Print Batch Run" button has been activated, the "Batch Output" sheet will print in its entirety.



#### 7. Printing A "Batch Scenario"

The user can print all the data relevant to a "Batch Scenario" by clicking the "Print Batch Scenario" button on the "Control" sheet. This button invokes a print MACRO that will send three print jobs to the user's default printer. The list below details the three print jobs:

- 1<sup>st</sup> Print Job
  - ⇒ Content Summary of NRC Elements and costs from the "Control" sheet
  - ⇒ Page length 2 pages
- 2<sup>nd</sup> Print Job
  - ⇒ Content Summary of Inputs from the "Input Record" Sheet
  - ⇒ Page length 1 page
- 3<sup>rd</sup> Print Job
  - ⇒ Content "Batch Output" sheet in its entirety
  - $\Rightarrow$  Pages 75 pages.

The print MACRO is an excellent time saver. However, the user must realize that the total pages sent to your default printer upon execution of the MACRO is 78 pages. (This may be slightly more or less depending on the printer used).

## 8. Examining Model Mechanics and Algorithms

The user may wish to examine the detail behind the costs for each NRC element. The user can go to the "Processes and Calcs" sheet to see the specific electronic and or manual steps that the model used to generate element costs. The example below shows how the user could view only those activities that take place for POTS / ISDN - Migration - TSR, the model uses Excel's Data - Filter - Autofilter function. By using this function, the "Processes and Calcs" sheet will only show activities in which the NRC element and activity step intersect, this intersection is marked by an "X". The user should note that NRC scenarios are placed in columns and the process steps are in rows.

|   | NRC | Alabama - NRC Elements                   | Total<br>Cost |                  | Total<br>Cost |                     |
|---|-----|--|---------------|------------------|---------------|---------------------|
| i | 3   | POTS / ISDN BRI Migration (UNE Platform) | \$ 0.21       | <- with overhead | \$ 0.19       | <- without overhead |

# 

#### SERVICE ORDER PROCESS / NON-RECURRING TYPE MATRIX

|           |   |              |                                      |                     |                         | В                            | c                |
|-----------|---|--------------|--------------------------------------|---------------------|-------------------------|------------------------------|------------------|
| ID<br>Io. | Process Flow / Activity   | Step         | System or<br>Action                  | Work<br>Center      | Probability<br>(%)      | Time<br>(minutes)            | Rate<br>(\$/hour |
| 1         | Pre Order Steps   | <u> </u>     |                                      | al Pivo Alla 1990a. | A SANSTAL S - S - S - S | 1,04 (a) (d) (d) (d) (d) (d) | -00045 (01)      |
| 2         | CLEC customer contact   | Pre-Order    | CLEC Customer Service Representative |                     | NA                      | • .                          |                  |
| 3         | CLEC requests customer address data, CSR, and appointment from ILEC               | Pre-Order    | CLEC gateway                         |                     | NA.                     |                              |                  |
| 4         | ILEC galeway requests address data from Administrative Information System and CSR | Pre-Order    | Premis, ALOC, BOSS, CRIS             |                     | 100.0%                  | •                            | , R              |
| 5         | Ordering Steps  |              | and the second second                | -                   | •                       |                              |                  |
| •         | CLEC customer service representative inputs LSR information into LOS              | Order        | ACTIVIEW                             |                     | NA                      |                              |                  |
| :         | ILEC geteway receives, validates and logs LSR, returns FOC, and passes LSR to SOG | Order        | ILEC geteway, STAREP, DOE            |                     | 100.0%                  |                              | R                |
| 0         | ILEC SOG retrieves CSR data, formats and passes to SOP                            | Order        | BOSS, SOP                            |                     | 100.0%                  |                              | R                |
| 1         | Provisioning Processing Steps   |              |                                      |                     |                         |                              |                  |
| 3         | SOP sends request to SOAC   | Provisioning | SOP                                  |                     | 100.0%                  |                              | R                |
| 4         | SOAC analyzes order, generates assignment requests for OSP, COE, IOF, etc.        | Provisioning | SOAC                                 |                     | 100.0%                  | •                            | R                |
| 0         | SOAC receives COE, OSP, IOF, etc.   | Provisioning | SOAC                                 |                     | 100.0%                  | -                            | R                |
| 7         | SOAC delivers recent change translation information                               | Provisioning | MARCH (ASAP for ISDN BRI)            | -                   | 100.0%                  |                              | R                |
| 9         | MARCH updates LDS.  | Provisioning | MARCH (ASAP for ISDN BRI)            |                     | 100.0%                  | •                            | R                |
| 28        | Fall Out Steps  |              |                                      |                     |                         |                              |                  |
| 29        | Fell Out: RMAs forwarded to PAWS for reconciliation                               | Provisioning | CPU Time                             |                     | 2.0%                    |                              | R                |
| 20        | Fall Out: Pull and analyze order: RCMAC   | Provisioning | ILEC manual activity                 | RCMAC               | 2.0%                    | 2.50                         | \$ 3             |
| 11        | Fall Out: Resolve fallout: RCMAC  | Provisioning | ILEC menual activity                 | RCMAC               | 2.0%                    | 15.00                        | \$ :             |
| 7         | Close Order Provisioning Steps  |              |                                      |                     |                         |                              |                  |
| 8         | SOAC updates SOP  | Provisioning | SOAC                                 |                     | 100.0%                  |                              | R                |
| 19        | SOAC updates WFA, NSDB, LMOS, BOSS, CRES, etc.                                    | Provisioning | SOAC                                 |                     | 100.0%                  | •                            | R                |
| ă         | SOP completes LSR   | Provisioning | SOP                                  | j                   | 100.0%                  |                              | R                |
| 2         | ILEC gateway notifies CLEC of completed order                                     | Provisioning | ILEC galeway                         | 1                   | NA                      |                              |                  |
| 23        | ILEC billing system issues final bill to migrating customer                       | Provisioning | ILEC geleway                         |                     | NA                      |                              |                  |

# **Telephony Acronyms & Technical Terminology**

OSS Name Acronym Definition Function Dependencies Vendor Billing Data Collection AMA/TPS unting/Teleprocessing System (i.e. Billdats) Carrier Access Billing System IXC Billing AMA Billdats CABS (IABS) BCR CAROT Centralized Automated Remote Office Test Trunk Tes Trunk Testing
Customer/End User Recent Change for Centrex CCRS Customer Control Reconfiguration System MARCH BCR/RBOC CCSN Customer Control and Service Negotiation mer Contact, Call Center (Bus. Off.) LEC CLEC competitive local exchange carrier Central Office Engineering Reports
Automated Trunk Provisioning (A Trunk Forecasting COER Lucent Recent Change Trunk; Complex & Centres CONNECTVU/ATP ing (ATP) TIRKS Translations COSMOS/SWITCH Computer System for Mainframe Operations Line Equipment Number, Tie Pair, Office FACS BCR Equipment, etc. Assignment and Inventory Customer Record Information System LEC End User Billing System AMA Billdats BCR/RBOC CRIS CSR customer service representative DCS Specialized high-speed data channel switch Digital Cross-Connect System **Digital Signal Cross Connect** DSX Engineering Acquisition Data and Analysis System Traffic Data Collection EADAS Lucent EXACT ASR Gateway BCR Field Testing, Time Reporting, Work WFA/C LMOS and Field Access System Lucent Completion, Load and Work Package, etc. other OSs Facility Engineering Planning System

Long Term Integrated Network Controller FEPS Facility Planning TIRKS BCR FLEXCOM/LINC End User Customer Control for DSO, DS1, DS3, OPS/INE and TIRKS via DCS IDLC Integrated Digital Loop Carriers IDT Integrate Digital Terminal ILEC incumbent local exchange carrier Integrated Network Planning System INPLANS Planning and Design for Trunk Facilities COER and EADAS BCR ISDN BRI Integrated Services Digital Network - Basic Rate Interface ITS Integrated Test System SARTS, HLI, and other BCR Testing Operation System (TOS) for Special TSC/RTUs Services LEIS/LEIM Loop Equipment Inventory System/Loop Inventory Loop Inventory/Makeup LFACS BCR Equipment Module LFACS Loop Facility Assignment Control System Cable & Pair, Binding Post, etc. Inventory and SOAC, COSMOS and BCR LEIS/LEIM POTS Work Management, Work Completion, LMOS Loop Maintenance Operations System LFACS, COSMOS Lucen Dispatching, Jeopardies, Time Reporting, et MLT, etc Local Ordering System LOS Local Service Request MARCH Memory Administration Recent Change Line Side Recent Change Switch Translations SOAC, and COSMOS BCR MDF main distribution frame LEC MEDIAC Customer Gateway to OSS (Electronic Bonding) Mediated Access MLT Mechanized Loop Testing POTS Copper Loop Testing LMOS and LFACS Lucent NID Network Interface Device NMA/F Network Monitoring and Analysis/Facilities Fault Management for Facilities and Transport TIRKS and NSDB NMA/S Network Monitoring and Analysis/Switch Fault Management for LDS Switches TIRKS and NSDB RCR NSDB TIRKS, LFACS Network Services Data Base Corporate Data Base for Customer Services BCR Network Elements, Facilities, etc. COSMOS/SWITCH NTMOS Network Traffic Management Operations System Traffic Performance Management and Controls EADAS Lucent BCR TIRKS and NSDB **OPS/INE** Operations Processor System for Intelligent Network Recent Change Provisioning for Transm Network Elements (DCS, SONET ADM, DLC, Eler OSS Operations Support Systems FACS Provisioning Analyst Work Station BCR PAWS Automated request for manual assistance TIRKS & FEPS Inventory of Plug-in equipment, channel units. PICS Plug-in Inventory Control System BCR PLOC preferred local exchange carrier identifier PREDICTOR Loop Maintenance System Loop Performance Monitoring LMOS Lucent (ACE/CRAS) Customer DB Telephone Numbers, line features, customer SOP BCR address, etc. SAI SARTS serving area interface (crossbox) Testing of Private Line Special Services (DS0, TIRKS & NSDB Switched Access Remote Test System Lucent DSO/s, DSI, etc.) SNC-2000 EMS SONET Network Controller Element Management Configuration and Fault Management for Lucent SONET Add/Drop Multiplexers SOA Service Order Analysis and Control Service Order Analysis and Control Service Order Gateway Access SOP, LFACS, BCR COSMOS/SWITCH, MARCH SOG Service Order Generator CCSN. StarRep, etc SARTS and MLT Service Order Processor Service Order Process LEC TDIL Testing Data Integration Layer Testing Operation System for Specials and TIRKS Trunk Inventory Record Keeping System BCR Inventory and Assignment for Services, Equipment, Facilities, etc. TMN Telecommunications Management Network Architecture Total Network Management TNM Switch Surveillance/Fault Management Lucent TPM Transactions Per Minute TQM total quality management TSR Total Service Resald

Translates ASR to USOC and FID

Work Management, Work Completion,

Dispatching, Jeopardies, Time Reporting, etc.

EXACT, SOP

TIRKS NSDB

WFA/DO, WFA/DI

BCR

BCR

TUF

UNE

WFA/C

Translator of USOC and FID

Unbundled Network Elements

Work Force Administration/Control

BCR = Bel

# **EXHIBIT RJW 2**



# Non-Recurring Cost Model Technical Assumptions Binder (NTAB) Version 2.2

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  32. Attachment "D" Glossary of Terms and Acronyms

#### 1. OVERVIEW

#### 1.1 General

The purpose of the Non-Recurring Cost Model Technical Assumptions Binder (*NTAB*) is to further explain the rationale for assumptions made within the Model.

The Non-Recurring Cost Model (NRCM) develops one time (non-recurring) cost estimates for the tasks and activities that may be performed by an Incumbent Local Exchange Carrier (ILEC) when a Competitive Local Exchange Carrier (CLEC) requests wholesale services, interconnection, and/or unbundled network elements.

Utilizing a forward looking cost methodology, the *NRCM* develops a "bottoms-up" estimate of non-recurring costs. A "bottoms-up" cost estimate assembles the real time cost of each activity in a process to arrive at the overall cost of delivering a service. The cost estimates put forward by most ILECs are "top-down", that is, distributing all allowable costs into each service element based on current or past approximations. This is done without consideration for inefficiencies and the need to model forward looking technologies and processes. The *NRCM* reflects the individual OSS tasks and activities that may be required to respond to a CLEC request. To the extent feasible, each component has been separately costed.

The majority of non-recurring element types involve activities associated with the pre-ordering, ordering and /or provisioning process. A short description of these processes follows:

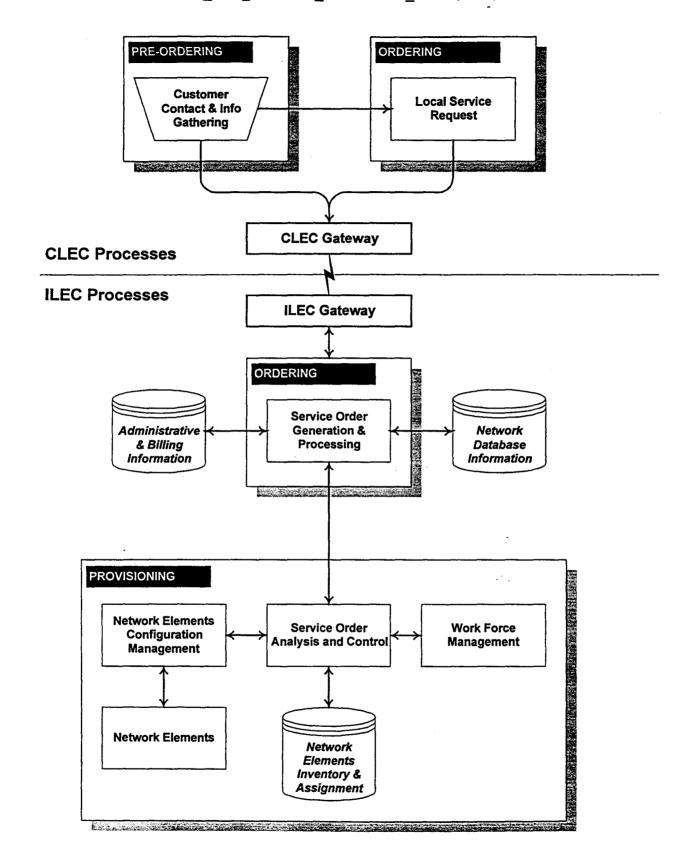
*Pre-ordering:* The process by which a CLEC interfaces with customers to determine customer needs. A CLEC and ILEC exchange necessary information to initiate orders. This information, such as customer premise address, phone number availability, feature availability and service availability is made accessible to CLECs electronically so they can accurately respond to customers when taking service and feature orders.

Ordering: The process by which a CLEC electronically submits a Local Service Request (LSR) to an ILEC via an electronic gateway. The ILEC responds electronically with a positive confirmation of order acceptance.

Provisioning: The process by which an ILEC, after receipt of an LSR order, performs the necessary functions to provide the service, interconnection, or Unbundled Network Elements (UNE) requested by a CLEC. Provisioning is a coordinated combination of "Steps" involving various provisioning process systems and/or workforce groups. Technicians can be involved in analyzing the Service Orders, connecting elements, testing circuit segments, resolving problems (Fallout), and closing out the orders

These processes are depicted in the high-level chart on the next page.

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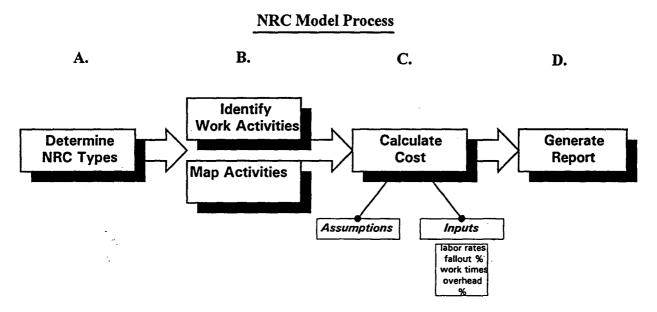
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In summary, the *NRCM* provides a detailed step-by-step understanding of the systems required and the manual work activities performed by an ILEC in the ordering and provisioning of wholesale services and unbundled network elements. The model is designed to reflect the most efficient management and operations of existing ILEC OSSs. The *NRCM* also reflects forward looking technology that is available in the market.

The NTAB explains and or defines in more detail issues such as technical assumptions based on subject matter experts' estimates, fallout, labor rates, OSS forward looking architecture, flow through, dedicated facilities and each of the element types to name but a few. Each specific Model input variable is addressed in detail within the NTAB.

## 1.2 NRCM Methodology

As shown by the following chart, the NRCM develops costs in four distinct stages:



# A. Determine Non-Recurring Cost Element Types:

The NRC element types that were initially selected for calculation by the model were developed based on a review of the charges proposed by ILECs during negotiation and arbitration proceedings. These NRC element types consist primarily of functions performed in the provisioning of service to existing customers (migration)<sup>1</sup> and to new customers (installation)<sup>2</sup>.

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<sup>1</sup> Migration is defined as moving existing ILEC customers to a CLEC.

Installation is defined as the establishment of service for a CLEC customer that is not currently served by an ILEC. Service may be for an existing or new customer premise.

The following element types have been added to the NRCM (Version 2.2);

- "DS1 Interoffice Transport Disconnect"
- "DS3 Interoffice Transport Disconnect"
- "DS3 Loop to Customer Premise Migration"
- "DS3 Loop to Customer Premise Install"
- "DS3 Loop to Customer Premise Disconnect"

The *Telecommunication Act of 1996* explicitly allows new entrants to provide local telecommunication services by means of various connectivity options. To the extent these options cause different costs to be incurred, such costs are modeled separately within the NRC Model. The local connectivity options include:

Total Services Resale (TSR): ILEC acts as a wholesaler of local telephone service which the CLEC then resells to end user customers.

Unbundled Network Elements Platform (UNE-P): CLEC purchases unbundled network elements in combination from the ILEC at cost-based rates.

Unbundled Network Elements (UNE): CLEC purchases individual unbundled network element(s), e.g., unbundled network element-loop (UNE-Loop), from an ILEC that may be used alone or in combination to provide telecommunication services to CLEC end user customers.

One example of an element type developed by the *NRCM* is a "*POTS/ISDN Migration -UNE-P*. This element type represents the situation where an existing POTS or ISDN customer changes its local service provider from an ILEC to a CLEC, and the CLEC serves the customer by purchasing the unbundled network elements in combination (UNE-P).

Within the model, the user has the ability of either costing individual element types or batch processing a user selected list of element types all at once.

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## B. Identify and Map Activities:

The NRCM identifies the individual systems utilized and manual work activities performed, when an ILEC provides a non-recurring service. These activities are considered generic for the ILEC and fall primarily within the pre-ordering, ordering and provisioning processes. See Attachment C for a complete list and description of the activities included in the model.

The model then maps the appropriate set of work activities to each NRC element type. For example, to migrate a POTS customer under the UNE-P option, requires nineteen identified work activities. The logic of the NRC Model maps these activities to the NRC element type through an assignment table contained on the "Process & Calcs" sheet of the NRC Model.

As demonstrated in the following table excerpt, activity assignment is made by the placement of an "X" at the table intersection of activity and NRC element type. (Note: while some activities are generic to many NRC element types, others are specific to only a few.)

|     |   | 1           | 3           | 49 |
|-----|---|-------------|-------------|----|
|     |   |             | POTS / ISDN |    |
|     |   | POTS / ISDN | BRI -       |    |
| ID  |   | BRI -       | Migration - |    |
| No. | Process Flow / Activity   | Migration - | UNE -       |    |
|     |   | TSR         | Platform    |    |
| 1   | Pre Order Steps   | <b>X</b>    | Х           |    |
| 2   | CLEC customer contact   | ) x         | х           |    |
| 3   | CLEC requests customer address data, CSR, and appointment from ILEC               | X           | Х           |    |
| 4   | ILEC gateway requests address data from Administrative Information System and CSR | X           | X           |    |
| 5   | ILEC gateway formats and returns address, CSR, and appointment data to CLEC       | 1           |             |    |
| 6   | Ordering Steps  | X           | х           |    |
| 7   | CLEC customer service representative inputs LSR information into LOS              | X           | x           |    |
| 8   | ILEC gateway receives, validates and logs LSR, returns FOC, and passes LSR to SOG | X           | х           |    |
| 9   | CLEC gateway sends LSR to EXACT   | ]           |             |    |
| 10  | ILEC SOG retrieves CSR data, formats and passes to SOP                            | X           | X.          |    |
| 11  | Provisioning Processing Steps   | X           | x           |    |
| 12  | EXACT and TUF sends request to SOP  | 1           | -           |    |
| 13  | SOP sends request to SOAC   | x           | X.          |    |
| 14  | SOAC analyzes order, generates assignment requests for OSP, COE, IOF, etc.        | ×           | x           |    |

When a user of the model chooses to cost out a particular NRC element type, the model selects the column corresponding to that NRC element type and looks for the activities that are required to be performed. If an "X" is shown, the activity in that row is required. In the table shown above, for example, a *POTS Migration* under the TSR connectivity option requires steps 2, 3, 4, 7, 8, 10, 13, and 14. (Note: this is only a sample of activities required for this element type).

For each activity described above, the model incorporates costing inputs. These inputs include the probability of the activity's occurrence, the time to complete the work activity, and the labor rate associated with the work activity. The model then calculates the cost of each individual activity based upon these inputs and model assumptions.

#### C. Calculate Costs:

The third stage of the model calculates the cost of each activity and process. The **NRCM** uses advanced features of Microsoft Excel 7.0 including Visual Basic for Applications (VBA) macros and dialog boxes. The User Guide, which is a separate document, contains additional information on how to run the model.

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